

## Extension Line with Male and Female Ends



CE  
0470

AST01396-ISH

- Designed to make administration of fluids more convenient
- Minimizes the movement at cannulation site by taking fluid administration site away from the insertion site thereby reduces the chances of infection and mechanical irritation
- Made from non-toxic medical grade PVC material
- Fitted with male and female luer locks for secure connection
- Smooth internal surface to minimize turbulence
- **Tube length:** 5, 7, 10, 25, 50, 75, 100, 125, 150, 200, 250 cm
- **Extension tube:** I Ø : 2.8 mm, O Ø : 4.0 mm
- **Optional:** Male - Male connection at both ends

## High Pressure Extension Line

- Designed for arterial blood pressure monitoring
- Manufactured to withstand pressures upto 40 kg/cm<sup>2</sup>
- Minimizes the movement at cannulation site by taking fluid administration site away from the insertion site thereby reduces the chances of infection and mechanical irritation
- Fitted with male and female luer locks for secure connection
- Smooth internal surface to minimize turbulence
- **Tube length:** 5, 7, 10, 25, 50, 75, 100, 125, 150, 200, 250 cm
- **Extension tube:** I Ø : 1.8 mm, O Ø : 3.0 mm
- **Optional:** Male - Male connection at both ends



CE  
0470

AST01397-ISH

## Peritoneal Dialysis Transfusion Set



CE  
0470

AST01398-ISH

- Specially designed "Y" shape transfusion set for administering dialysis solution
- Manufactured from non-toxic, non-irritant PVC
- Two lower control clamps help easy input and drainage of solution
- Provided with two upper control clamps to facilitate the alternative change of solution bottles
- Proximal end is provided with suitable adapter for easy connection to catheter unit





## I.V. Infusion Set

### General Features

- Suitable for administration of Infusion fluid for Medical therapy.
- Strong and sharp piercing spike for easy insertion in I.V. container
- Clear, transparent and flexible drip chamber facilitates visualisation and rapid adjustment of fluid level.
- Super smooth kink resistant PVC tubing for easy visualisation of flow.
- Disc filter in the drip chamber to ensure filtration of administered fluid.
- Efficient roller controller for accurate and unrestricted flow.
- Moulded, self sealing latex bulb for extra medication & easy flushing.

### Optional

- With or without needle.
- With or without "Y" connector (Latex or **Latex Free**).
- Luer lock or luer slip.
- With or without flow regulator integrated into Infusion set for precise flow control.
- With tube length as requested.

### **PROTEK®** I.V. Infusion Set

- I.V. infusion set without air vented spike
- Approximately 20 drops/ml



CE  
0470



## SCALP VEIN SET

### Winged Infusion Set



CE  
0470

- Designed to provide quick venous access with greater patient comfort during long term infusion
- Short beveled siliconised needle facilitates atraumatic cannulation
- Thin wall needle provides better flow rate per gauge
- Butterfly shaped wings facilitates easy handling and attachment with the skin
- Butterfly connected to soft non toxic, non-irritant, siliconised kink resistance medical grade tube
- The proximal end of set is provided with flexible female luer fitting
- Butterflies are made of medical-grade flexible P.V.C and are colour coded for instant identification of needle size

Size (Gauge)	18	19	20	21	22	23	24	25
Colour Code	Pink	Brown	Yellow	Green	Black	Sea Green	Red	Blue

AST01400-ISH AST01401-ISH AST01402-ISH AST01403-ISH AST01404-ISH AST01405-ISH AST01406-ISH AST01407-ISH

## DISPOSABLE HYPODERMIC SYRINGES

- Manufactured from nontoxic, medical grade virgin polypropylene compatible with any medication
- Sharp and clear graduation ensures dosage accuracy and avoids wastage of valuable medicine
- Clear transparent chamber comparable to glass syringes facilitates visual inspection
- Thermoplastic elastomer gasket is inert hence provides minimum friction during movement and prevents leakage & back flow
- Friction free movement of plunger ensures proper vacuum and no dead space
- Sharp triple facettted beveled tip needle for smooth penetration
- Manufactured as per IS-10258(2002)/ ISO-7886-1 (1993)
- Ribbon packed in tough laminated film, highly resistant to puncture and tearing
- Also available in blister pack
- **Sizes:** 1ml, 2ml, 3ml, 5ml, 10ml, 20ml, 50ml.



CE  
0470



## DISPOSABLE INSULIN SYRINGES



AST01408-ISH

- Excel quality Micro Fine 30G & 29G needles are siliconised to give minimal pain
- Medical grade synthetic rubber gasket to avoid any risk of elemental exchange and to prevent chemical/ionic reaction between the gasket and insulin
- Presence of low dead space avoids wastage of medication and ensures accurate dosage
- Barrels are made of nontoxic, clear medical-grade polypropylene compatible with any medication
- Advance design of plunger ensures smooth and correct movement inside barrel
- Plungers, needle covers and bottom caps (multipack) are made of nontoxic, medical-grade polypropylene compatible with any medication
- Needle is integrated with the barrel
- Manufactured as per IS-12227(2002)/ ISO-8537(1991)
- Available in economy multi-pack of 10 units & ribbon pack
- Sizes: U40, U100

## DISPOSABLE HYPODERMIC NEEDLES

- Made up of special grade stainless steel using ultrasonic technique with the triple facet points for minimum trauma during penetration
- Thin wall needle facilitate passage of more fluid than regular wall needle
- Needle hubs are made of non-toxic, medical-grade polypropylene compatible with any injectable medication and are colour coded for instant size identification
- Manufactured as per IS-10654 (2002) / ISO-7884-1 (1993)
- Individually blister packed with easily peelable, medical-grade paper to ensure reliability of sealing and product sterility
- Sizes: 30G to 14G



AST01408-1-ISH

CE  
0470



# Infusion Therapy

## I.V. Cannula

### General Features

- Siliconised, sharp bevelled, back cut ground S.S. needle for optimum insertion along with smooth and painless venipuncture.
- Specially designed needle hub for proper grip and to prevent any instability during insertion.
- Needle cover to protect the needle and catheter from contamination as well as to prevent accidental damage.
- Made of kink resistant and biocompatible virgin PTFE (Poly Tetra Fluoro Ethylene), with extremely smooth inner and outer surfaces to ensure easy venipuncture with minimum trauma.
- Minimum resistance during insertion due to catheters lowest coefficient of friction and improved tip design.
- Gently tapered catheter tips aligns with the needle bevel to provide smooth transition from needle to catheter.
- Thin wall thickness of the catheter allows maximum flow rate for a specific gauge of cannula.
- Specially designed transparent flash back chamber for immediate confirmation of venipuncture and to prevent any spillage of blood.
- Disposable, sterile and non-pyrogenic.
- Individually packed in rigid blister and sealed in peel open type medical Tyvek or paper.

### Optional

- FEP (Fluorinated Ethylene Propylene) / PU (Polyurethane) Flex Catheter
- Hydrophobic Filter
- Clear or Radio Opaque Catheter

### Sizes & Technical Specifications

Gauge	Colour Code	Catheter			Packing Inner/ Outer
		Ext. Dia. mm	Length mm	Flow Rate ml/min	
ASTO1409-ISH 14G	Orange	2.1	45	300	100/1000
ASTO1410-ISH 16G	Grey	1.8	45	200	100/1000
ASTO1411-ISH 17G	White	1.5	45	140	100/1000
ASTO1412-ISH 18G	Green	1.3	45	90	100/1000
ASTO1413-ISH 20G	Pink	1.1	33	61	100/1000
ASTO1414-ISH 22G	Blue	0.9	25	36	100/1000
ASTO1415-ISH 24G	Yellow	0.7	19	15	100/1000
ASTO1416-ISH 26G	Purple	0.6	19	13	100/1000



## **PROTEK®**

### **I.V. Cannula with Injection Port & with Wings**



CE  
0470

ASTO1417-ISH

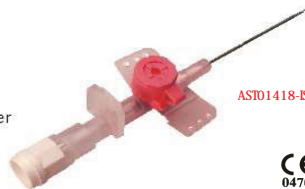
- Provided with injection site which has one way retreating silicone injection valve to facilitate extra medication without allowing any back flow.
- Specially designed protection cap with a recessed plug to cover the injection port and to prevent contamination.
- The valve cap has a special design for resting the finger to facilitate two point grip for cannulation.
- Angled and grooved wings for secure fixation and to prevent pistoning and rolling of cannula over the patient's body.
- It offers safe and convenient method of atraumatic administration of medicine by a syringe without needle thereby reducing the chances of infection and preventing needle stick injuries.
- Sizes: G - 14, 16, 17, 18, 20, 22, 24, 26.

## **PROTEK® PRO**

### **I.V. Cannula with Injection Port & with Suturable Wings**

- Injection port with non-return silicon valve for intermittent medication.
- Lancet cut, high quality needle for smooth and painless insertion.
- Flip cap snaps back in position if left open and the injection valve remains covered at all times preventing contamination.
- Ultra slim soft suturable wings for better flexibility and fixation over the patient's skin, negating any adverse effects from patient's movements.
- Luer cap with 'facet' design for better grip and minimum contamination.
- Integrated with Hydrophobic filter for instantaneous flashback and prevention of the spillage of blood.

: G - 14, 16, 17, 18, 20, 22, 24, 26.



ASTO1418-ISH

CE  
0470



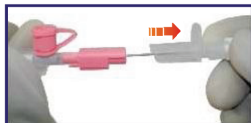
## **PROTEK® SAFE**

### **Safety I.V. Cannula with Injection Port & with Wings**

- Unique Safety Mechanism eliminates the risk of inadvertent needle stick injuries and blood borne infections to the healthcare providers during needle withdrawal and disposal.
- Safety design ensures single use and safe disposal.
- Self and smoothly activating safety mechanism.
- Passive activation in a fraction of a second without impeding the withdrawal of the stylet.
- Perfect grip of the safety cap once activated. The cap cannot be removed even after using considerable force, ensuring complete safety.
- Free from any kind of scratch wound due to safety shield.
- Comfortable feel of a conventional catheter.
- No change in technique of insertion.
- Sizes: G - 14, 16, 17, 18, 20, 22, 24.



Stylet withdrawal in process



Safety Cap activated



Firmly gripped Safety Cap covering the needle tip



Withdrawn stylet covered by Safety Cap





CE  
0470

ASTO1420-ISH

## **PROCAN™**

### **I.V. Cannula without Injection Port & with Wings**

- Useful in high risk cases where extra opening is not desirable to minimise risk of infection.
- Streamlined design provides minimum area of contact with the body.
- Slanted and flexible wings help in simple and safe fixation.
- Projection on main body for two point grip and easy insertion.
- Sizes: G - 14, 16, 18, 20, 22, 24, 26.

## **PROCAN™ ALPHA**

### **I.V. Cannula without Injection Port & without Wings**

- This is the 'pen' type variant of IV catheters.
- Specially meant for high risk cases where extra opening is not permitted to prevent risk of infection.
- Streamlined, sleek design for easy orientation and insertion.
- The absence of wings minimizes the area of contact with the patient's body at the site of insertion.
- Long and broad hub for good grip and control.
- Very comfortable for the patient during prolonged usage.
- Sizes: G - 14, 16, 18, 20, 22, 24, 26.



ASTO1421-ISH

CE  
0470

## **PROTEKNEO™**

### **I.V. Cannula for Infants and Neonates**

- Special miniature, fine and smooth design for use in infants and neonates to deal with the specific problems associated with small & soft vein cannulation.
- Small flexible wings and absence of injection port permits easy handling and secure fixation.
- Provided with small projection on main body for ease of handling during insertion.
- Transparent flashback chamber for easy visualization of blood.
- Sizes: 24G



CE  
0470

ASTO1422-ISH



## **PROTEK® ALPHA**

### **I.V. Infusion Set with Airvent**

- Built-in airvent fitted with bacteria barrier hydrophobic filter with snap cap to prevent the air contamination of fluid
- Approximately 20 drops/ml



AST01423-ISH

CE  
0470



CE  
0470

AST01424-ISH

## **PROTEK® LF**

### **Latex Free I.V. Infusion Set with Airvent**

- Bigger drip chamber
- Approximately 20 drops/ml

## **PROTEKNEO® M**

### **MICRO DRIP Set**

#### **Paediatric I.V. Infusion Set**

- Micro I.V. infusion set for paediatric use
- Drop size reduced to approximately 60 drops/ml



AST01425-ISH

CE  
0470







ASTO1426-ISH

## FLOW REGULATOR

### I.V. Fluid Flow Regulator Extension Set

- Designed to control the flow rate of intravenous solution
- Precise flow rate control of IV fluids with range of 5 to 250 ml/hr manually
- Soft and kink resistance PVC tubing
- With "Y" connector injection site for extra medication
- Two hand operation eliminates the danger of accidental tampering
- Male luer connector at one end and female luer connector at other end

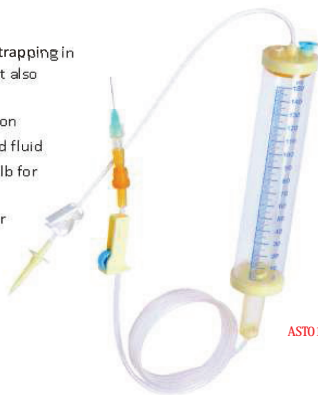
## BURETTE SET

### Measured Volume Fluid Infusion Set

- Suitable for infusion of measured quantities of fluid
- Clear, soft, cylindrical & calibrated measured volume chamber with markings upto 100/150 ml for precise fluid administration
- Strong and sharp piercing spike for easy insertion
- Specially designed automatic floating shut off valve prevents air trapping in the fluid line once the measured volume chamber is empty and it also indicates the level of liquid
- Air inlet with bacterial filter and injection port for extra medication
- Disc filter in the drip chamber to ensure filtration of administered fluid
- Super smooth kink resistant PVC tubing with self sealing latex bulb for extra medication & easy flushing
- Clamp for regulating volume of fluid inflow into the drip chamber
- Specially designed roller clamp for regulating fluid flow rate
- Approximately 60 drops/ml
- **Sizes:** 110 ml & 150 ml

#### Optional

- Air vented or non-vented spike
- With or without needle
- With or without "Y" connector (Latex or **Latex Free**)
- Luer lock or luer slip



ASTO1427-ISH

CE  
0470

## **PROTEKNEO™ ALPHA**

### **I.V. Cannula for Neonates**

- Special miniature, fine and smooth design, especially for use in neonates (children below 1 month of age) to deal with the specific problems associated with small & soft vein cannulation.
- Small flexible wings and absence of injection port permits easy handling and secure fixation.
- Provided with small projection on main body for ease of handling during insertion.
- Transparent flashback chamber for easy visualization of blood.
- Size: 26G.



AST01428-ISH

CE  
0470

## **PROCAN™ PLUS**

### **I.V. Cannula with integrated 3-way Stopcock**

- Provided with integrated side port for extra medication and simultaneous administration of the two fluids.
- Additional 3-way stopcocks can be attached for multiple infusion therapy.
- Flexible wings with suture holes for secure fixation.
- Provided with luer lock stoppers to prevent contamination.
- Colour coded tap to regulate & identify the desired direction of flow.
- 360° rotation of the tap without limitation.
- Rigid and sturdy design for easy handling.
- Sizes: G - 16, 18, 20, 22.



AST01429-ISH

CE  
0470



## 3-Way Stop Cock



CE  
0470

AST01430-ISH

- Designed to incorporate between infusion line and venipuncture device for additional infusion
- Made from fully transparent polycarbonate body for visualization of flow
- Uniform smooth bore throughout permits maximum infusion flow and prevents turbulence as well as formation of air bubbles
- Arrow indication marks on the tap to indicate the direction of flow
- Multiple channels for multiple infusion therapy
- Minimal dead space in parts to ensure precise drug administration and maximum infusion flow
- Rotating luer lock and threaded female ports facilitate safe and secure connection to luers of other systems
- 360° rotation of the tap without limitation
- Designed to withstand pressure up to 5 bars

### Optional

- Lipid resistant grade
- Red & Blue pegs for arterial and venous line identification
- With or without rotating luer lock

## 3-way Stop Cock with Extension Line

- Designed to minimize the movement at cannulation site by taking administration site away from the insertion site thereby reduces the chances of infection and mechanical irritation.
- Fitted with male luer lock at one end for safe and secure connection and the 3-way stop cock at the other.
- The integrated 3-way stopcock offers multiple infusion lines.
- Soft, frosted & kink resistant PVC tubing available in various lengths offering flexibility of use according to different applications.
- **Tube length:** 5, 7, 10, 25, 50, 75, 100, 125, 150, 200, 250 cm
- **Extension tube:** I  $\varnothing$  : 3.00 mm, O  $\varnothing$  : 4.2 mm



AST01431-ISH

CE  
0470

## BLOOD BAG SYSTEM

### General Features

- Designed for collection, storage, transfusion and transportation of human blood and its components
- Consists of a single or multiple bags connected with tubes, needles, needle covers and clamps
- Extra sharp thin walled 16G needle allows smooth, painless penetration and higher flow rates
- Manufactured from high quality medical grade plasticised PVC compatible with blood having properties such as low toxicity, transparency, flexibility, high tensile strength, heat and cold resistance and acceptable permeability to water, oxygen and carbon dioxide
- Anticoagulant solutions used are **CPD** for blood storage upto 21 days and **CPDA 1** for enhanced storage upto 35 days
- Optional **CPD-SAGM** anticoagulant solution variant for red blood storage upto 42 days
- Option of satellite bag made from **TOTM** (Tri-Octyl-Tri-Mellitate) sheet which enhances the platelet storage period upto 5 days
- As the anticoagulant maintains a reasonable amount of pH, it provides a high degree of red cell survival rate and oxygen delivery rate
- Soft frosted and flexible kink resistant tubing with uniform wall thickness
- Integrated donor tubing with markings at regular intervals to allow easier processing, cross matching and identification
- Allows storage and transfusion of maximum possible blood
- The blood loss due to sticking is minimal
- Special dome shaped rounded shoulders / corners minimize red blood cell loss and allow easy separation of plasma
- Collects and transfers blood and its components without any risk of contamination being a closed system
- Tamper proof needle cover prevents re-use of bag
- Outlet ports with tear apart tabs ensure sterility till they are actually used
- Sterilizable by autoclaving (steam sterilization)
- Special tamper evident and convenient write on label
- Packed individually in plastic film and in multiples in special aluminum foil pouches
- Also available with **Leukodepletion** Filter
- Disposable, sterile and non pyrogenic

### Anticoagulant solutions used in Blood Bag

Solution	Function	Whole blood or Red cell Storage Period	Additive Concentrations (per 100 ml)		Principle
CPD	Anticoagulation and storage of blood	21 days	Citric Acid (Anhydrous) Sodium Citrate (Dihydrate) Monobasic Sodium Phosphate (Monohydrate) Dextrose (Anhydrous) Water for injection	0.299 gm. 2.63 gm. 0.222 gm. 2.9 gm. q.s. 100 ml.	<ul style="list-style-type: none"><li>• Prevents coagulation of blood as Citrate ion chelates Calcium.</li><li>• Source of nutrition for red cells.</li><li>• Adjusts pH.</li></ul>
CPDA 1	Anticoagulation and storage of blood	35 days	Citric Acid (Anhydrous) Sodium Citrate (Dihydrate) Monobasic Sodium Phosphate (Monohydrate) Dextrose (Anhydrous) Adenine Water for injection	0.299 gm. 2.63 gm. 0.222 gm. 2.9 gm. 0.0275 gm. q.s. 100 ml.	<ul style="list-style-type: none"><li>• Prevents coagulant of blood as Citrate ion Chelates Calcium.</li><li>• Adjusts pH.</li><li>• Nutrition source for red cells.</li><li>• Supports to maintain ATP level in red cells.</li></ul>
SAGM	Extended Red cell preservation	42 days	Sodium Chloride Adenine Glucose Mannitol	0.877 gm. 0.0169 gm. 0.900 gm. 0.525 gm.	<ul style="list-style-type: none"><li>• Adjusts osmotic pressure.</li><li>• Supports to maintain ATP level in red cells.</li><li>• Nutrition source for red cell.</li><li>• Supports integrity of red cell membrane (to avoid haemolysis).</li></ul>

## SINGLE BLOOD BAG SYSTEM

1071

- Consists of one plasticised PVC bag containing Anticoagulant solution
- Designed for collection and storage of whole human blood

#### Sizes & Technical Specifications

Bag Capacity (ml)	Needle Gauge	Anticoagulant		Packaging Inner/ Outer
		Type	Quantity	
100	16G	CPDA/CPDA-1	14 ml	10/100
250	16G	CPDA/CPDA-1	35 ml	10/100
350	16G	CPDA/CPDA-1	49 ml	10/100
450	16G	CPDA/CPDA-1	63 ml	10/100

ASTO1432-ISH

ASTO1433-ISH

ASTO1433-ISH

ASTO1434-ISH



CE  
0470



# Central Venous Access

## CENTRAL VENOUS CATHETER

### Seldinger Technique

Single Lumen CVC - 1061 ASTD1435-ISH

Double Lumen CVC - 1062 ASTD1436-ISH

Triple Lumen CVC - 1063 ASTD1437-ISH

#### General Features:

- Centrally inserted CVC for administration of hyperosmolar solutions, measuring central venous pressure (CVP), haemodialysis, plasmapheresis, rapid infusion of fluid etc.
  - Specially formulated, soft, kink resistant and extremely biocompatible polyurethane material provides strength during insertion
  - Based upon much preferred Seldinger technique
  - Polyurethane softens at body temperature within minutes of insertion in the body to conform to the body tissues and this reduces the risk of vascular trauma
  - Specially designed soft & beveled tip for smooth & easy insertion of catheter
  - Soft flexible J-Tip guide wire prevents the vessel perforation and also provides good torque to ensure firm insertion
  - Radio-opaque catheter with clear and definite marking for correct placement of catheter tip
- Individually tray packed

#### Lumens (1062 and 1063)

- Separate non-communicating vascular access lumens within a single catheter body reduces the necessity of utilizing multiple venipuncture
- Exit ports of individual lumens are separated by appropriate distance in proportion to the catheter's French size
- Coaxial catheter design maximizes inner diameter of central lumen for high flow rates
- Proximal lumen for blood sampling, medications and blood administration
- Distal lumen for CVP monitoring, blood administration and medication
- Medial lumen exclusively for total parenteral nutrition (Triple lumen CVC)



### Kit comprises of :

- Central Venous Catheter
- Introducer Needle
- J-Tip Guide Wire
- Vessel Dilator
- Syringe (Luer Lock)
- Scalpel
- Catheter Holder
- Catheter Holder Clamp
- Extension Line Clamp
- Injection Cap



### Sizes & Technical Specifications

	Lumens	Size:	O.D. Size	Length	Flow Rate (ml/min)
ASTO1438-ISH	Single Lumen	16 G	5.0 Fr.	1.7 mm	15
ASTO1439-ISH		16 G	5.0 Fr.	1.7 mm	20
ASTO1440-ISH		16 G	5.0 Fr.	1.7 mm	30
ASTO1441-ISH	Double Lumen	Proximal 16G	7.0 Fr.	2.5 mm	15
		Distal 16G			62
ASTO1442-ISH		Proximal 16G	7.0 Fr.	2.5 mm	20
		Distal 16G			62
ASTO1443-ISH	Triple Lumen	Proximal 16G	7.0 Fr.	2.5 mm	30
		Distal 16G			45
ASTO1444-ISH		Distal 16G	7.0 Fr.	2.5 mm	15
		Proximal 18G			27
		Medial 18G			27
ASTO1445-ISH		Distal 16G	7.0 Fr.	2.5 mm	20
		Proximal 18G			51
		Medial 18G			25
ASTO1446-ISH		Distal 16G	7.0 Fr.	2.5 mm	30
		Proximal 18G			40
		Medial 18G			18
					24
					19



CE  
0470



CE  
0470



CE  
0470



## TRANSFER BAG

- Used for collection and storage of any one of the blood components
- Can be used in place of satellite bags

### Sizes & Technical Specifications

Bag Capacity (ml)	Packaging Inner/ Outer
100	25/100
300	25/100

AST01447-ISH

AST01448-ISH



## HAEMODIALYSIS BLOOD LINES



AST01449-ISH

- Specially designed for the patients to connect external system which extracts patient's blood to the dialyzer and then returns patient's blood from the dialyzer after it has been purified
- Consists of two segments - arterial and venous - used during dialysis and attached with fistula and dialyzer
- Unique chambers reduce foaming and increase air removal.
- Tubing ends are specially designed to attach firmly to the dialyzer without any risk of wet out
- Colour-coded clamps and dialyzer connectors with caps for easier identification
- Smooth, kink-resistant medical grade PVC tubings ensures easy handling, fast priming and uninterrupted blood flow

## BLOOD COLLECTION NEEDLE

- Designed for blood sample collection having safety features to minimize possible risks of blood borne infections or needle stick injuries to healthcare workers and patients
- Extremely sharp puncture end for painless insertion
- Stainless steel, lubricated with silicone
- Pointed at both ends with one end covered by rubber sheath
- Needle size : 20, 21, 22, 23 G



AST01449-1-ISH





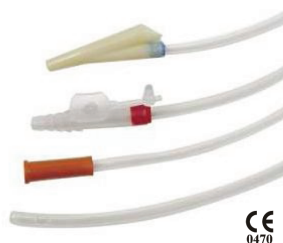
# Anaesthesia & Respiratory Care

## SUCTION CATHETER

### Endo Bronchial Suction Catheter

#### General Features

- Designed for removal of secretion from mouth, trachea and bronchial tubes
- Distal end is open with one lateral eye for effective drainage
- Extra smooth low friction surface tubing facilitates easy intubation
- Manufactured from non-toxic, non irritant medical grade PVC
- Colour coded connector for easy identification of size
- **Length:** 53 cms



#### Suction Catheter - Plain (1090)

Provided with universal funnel shape connector for safe connection to standard suction equipment

#### Suction Catheter with Thumb Control (1090 TC)

Provided with "T" type vacuum control valve with thumb control for positive control during suction

#### Suction Catheter with Finger Tip Control (1090 FT)

Provided with "Y" shape vacuum control valve for finger tip control

Size (FG)	5	6	8	10	12	14	16	18	20
Colour Code	Grey	Light Green	Blue	Black	White	Green	Orange	Red	Yellow
	AST01450-ISH	AST01451-ISH	AST01452-ISH	AST01453-ISH	AST01454-ISH	AST01455-ISH	AST01456-ISH	AST01457-ISH	AST01458-ISH



## CENTRAL VENOUS CATHETER

### Catheter Through Catheter Technique

- Peripherally inserted single lumen CVC for long term venous access, central venous pressure (CVP) monitoring, infusion of irritant medication, temporary pacing, hemodialysis / plasmapheresis etc.
- Specially coated, soft, flexible, kink resistant and extremely biocompatible polyurethane catheter for easy insertion
- Polyurethane softens at body temperature within minutes of insertion in the body to conform to the body tissues and this reduces the risk of vascular trauma
- Removable stylet adds rigidity to the catheter during insertion and prevents clot formation & air embolism during introduction
- Fat resistant and thromboresistant
- Full length four radio-opaque lines for accurate radiographic detection
- Insertion depth marking at every 5cm to determine exact catheter position during insertion
- Smooth tip aids atraumatic insertion
- Provided with puncture I.V. Catheter without injection valve having projection at main body for two point grip and easy insertion
- Rigid blister tray packing



#### Sizes & Technical Specifications

	Gauge	Diameter (I.D.XO.D.) mm	Length (mm)	Diameter (I.D.XO.D.) mm	Priming volume(ml)	Length (mm)	Flow Rate (ml/min)	Colour
AST01459-ESH	12	2.2X2.6	45	1.5X2.0	0.65	32	75	Green
AST01460-ESH	12	2.2X2.6	45	1.5X2.0	0.70	50	56	Green
AST01461-ESH	12	2.2X2.6	45	1.5X2.0	1.10	70	50	Green
AST01462-ESH	12	2.2X2.6	75	1.5X2.0	0.70	50	56	Green
AST01463-ESH	14	2.0X2.3	47	1.2X1.7	0.45	32	53	Orange
AST01464-ESH	14	2.0X2.3	47	1.2X1.7	0.60	50	45	Orange
AST01465-ESH	14	2.0X2.3	47	1.2X1.7	0.80	70	30	Orange
AST01466-ESH	14	2.0X2.3	75	1.2X1.7	0.60	50	45	Orange
AST01467-ESH	16	1.6X2.0	50	0.9X1.4	0.30	32	20	Yellow
AST01468-ESH	16	1.6X2.0	50	0.9X1.4	0.50	70	12	Yellow
AST01469-ESH	16	1.6X2.0	75	0.9X1.4	0.40	50	15	Yellow
AST01470-ESH	18	1.15X1.5	48	0.6X1.0	0.20	32	4	White



# Blood Banking

## BLOOD TRANSFUSION SET

### Blood Administration Set

- For transfusion of blood and blood components
- Special beveled extra strong and sharp piercing spike for better penetration
- Drip chamber with filter mesh to prevent passage of any clot into the patient
- Clear, transparent and flexible drip chamber facilitates visualisation and rapid adjustment of fluid level
- Super smooth kink resistant PVC tubing for easy visualisation of flow
- Efficient roller controller for accurate and unrestricted flow
- Moulded, self sealing latex bulb for extra medication & easy flushing
- Approximately 20 drops / ml

#### Optional

- With or without bacteria retentive air inlet with snap on cap
- Single-drip or Double-drip chamber
- With or without needle
- With or without "Y" connector (Latex or Latex Free)
- Luer lock or luer slip
- With tube length as requested



ASTD1471-KSH

## BLOOD DONOR SET

### Blood Taking Set

- Provided with extra sharp needle 16G for smooth and effortless vein puncture
- Soft, frosted and kink resistant PVC tubing
- Specially designed roller clamp for better flow control



ASTD1472-KSH



## DOUBLE BLOOD BAG SYSTEM

- Consists of a one Primary whole blood collection bag containing Anticoagulant solution and one Satellite bag
- Used for separation and storage of two components from whole human blood within a sterile closed environment
- Distributes whole blood into two parts after centrifugation:  
a) Packed Red Cells b) Plasma

### Sizes & Technical Specifications

Bag Capacity (ml) Primary/ Satellite	Needle Gauge	Anticoagulant		Packaging Inner/ Outer
		Type	Quantity	
350/ 300	16G	CPDA/CPDA-1	49 ml	7/70
450/ 300	16G	CPDA/CPDA-1	63 ml	7/70

AST01473-ISH

AST01474-ISH



CE  
0470

## TRIPLE BLOOD BAG SYSTEM



CE  
0470

- Consists of a one Primary whole blood collection bag containing Anticoagulant solution and two Satellite bags
- Used for separation and storage of three components from whole human blood within a sterile closed environment
- Distributes whole blood into three parts after centrifugation:  
a) Packed Red Cells b) Plasma c) Platelets

### Sizes & Technical Specifications

Bag Capacity (ml) Primary/ Satellite	Needle Gauge	Anticoagulant		Packaging Inner/ Outer
		Type	Quantity	
350/ 300	16G	CPDA/CPDA-1	49 ml	4/40
450/ 300	16G	CPDA/CPDA-1	63 ml	4/40
350/ 300	16G	CPD-SAGM	49/80 ml	4/40
450/ 300	16G	CPD-SAGM	63/100 ml	4/40

AST01475-ISH

AST01476-ISH

AST01477-ISH

AST01478-ISH

## QUADRUPLE BLOOD BAG SYSTEM

- Consists of a one Primary whole blood collection bag containing Anticoagulant solution and three Satellite bags
- Used for separation and storage of four components from whole human blood within a sterile closed environment
- Distributes whole blood into four parts after centrifugation:  
a) Packed Red Cells b) Plasma  
c) Platelets d) Cryoprecipitate



*Sizes & Technical Specifications*

Bag Capacity (ml)	Needle	Anticoagulant		Packaging
Primary/ Satellite	Gauge	Type	Quantity	Inner/ Outer
350/ 300	16G	CPDA/CPDA-1	49 ml	4/40
450/ 300	16G	CPDA/CPDA-1	63 ml	4/40

## PENTA BLOOD BAG SYSTEM



- Consists of a one Primary bag containing Anticoagulant solution and four Satellite bags
- Useful for paediatric and/or multiple transfusions
- Prevents wastage as one unit of blood can be given to 5 different recipients
- Reduces the donor related risks since the donor is the same

*Sizes & Technical Specifications*

Bag Capacity (ml)	Needle	Anticoagulant		Packaging
Primary/ Satellite	Gauge	Type	Quantity	Inner/ Outer
350/ 100	16G	CPDA/CPDA-1	49 ml	4/40
450/ 100	16G	CPDA/CPDA-1	63 ml	4/40

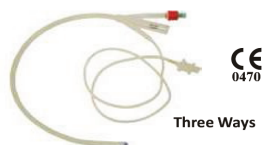
## ALL SILICON FOLEY CATHETER (LATEX FREE)

- Silicon Catheters are meant for very long term implantation
- 100% silicon construction from highly biocompatible and toxin-free silicone elastomer
- Safe, dependable and maximum softness for enhance patient comfort
- The non-stick surface of silicone makes it highly resistant to encrustation
- Due to inertness of silicone, it does not leach chemicals or water-soluble proteins that can irritate the urethral mucosa and lead to stricture formation
- The smooth, proportional eyelets allow non traumatic insertion and maximum drainage
- Technically advanced process forms the balloon as an integral part of the catheter, eliminating rough edges where the balloon meets the shaft
- The ribbed funnel ensures an easy, leak-proof connection while the clear connector and clear shaft allows visual examination of drainage
- The drainage lumen is comparatively bigger compared to coated-latex foley catheters, thus permit longer use and allows better drainage of sediment and blood clots



ASTD1483-ISH

Two Ways



ASTD1484-ISH

Three Ways

### Sizes & Technical Specifications

Balloon Capacity (ml/cc)	Sizes Available (FR)	
	Two Ways	Three Ways
1.5	6	-
3-5	8,10	-
5-15	12,14,16,18,20,22, 24	16,18,20,22,24,26
30	16,18,20,22,24,26	16,18,20,22,24,26

## MALE EXTERNAL CATHETER Penile Sheath



ASTD1485-ISH

- Specially designed for urine incontinence for day and night use in male patients
- Manufactured from pure latex for soft and gentle feel
- Provided with soft adhesive coated strip for proper fixing on the penis
- Proximal end is designed for safe and easy connection to urine bag/leg bag, making it simple to use

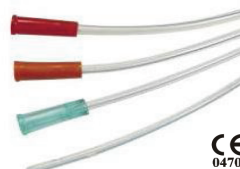
Sizes	Small	Medium	Large	Extra Large
(mm)	20	25	30	35



## NELATON CATHETER

### Short Term Urine Drainage Catheter

- Designed for short term bladder catheterisation through urethra
- Manufactured from non-toxic, non irritant medical grade PVC compatible with Catheter lubricants
- Frozen surface tubing for super smooth intubation
- Distal end is coned for non traumatic introduction with two lateral eyes for efficient drainage
- Proximal end is fitted with universal funnel shaped connector for extension
- Radio opaque line throughout the length for X-ray visualisation
- Colour coded funnel shape connectors for instant identification of sizes
- Available in Male and Female versions
- Length: 40 cms (Male), 20 cms (Female)



Size (FG)	6	8	10	12	14	16	18	20	22	24
Colour Code	Light Green	Blue	Black	White	Green	Orange	Red	Yellow	Violet	Light Blue
AST01486-ISH AST01487-ISH AST01488-ISH AST01489-ISH AST01490-ISH AST01491-ISH AST01492-ISH AST01493-ISH AST01494-ISH AST01495-ISH										

## RECTAL CATHETER



- Designed for introduction of enema solution into rectum to release / aspire rectal fluid
- Manufactured from non-toxic, non irritant medical grade PVC compatible with Catheter lubricants
- Siliconised surface for easy insertion
- Distal end is coned for non traumatic introduction with two lateral eyes for efficient drainage
- Proximal end is fitted with universal funnel shaped connector for extension
- Radio opaque line throughout the length for X-ray visualization
- Colour coded plain connectors for instant identification of sizes
- Length: 40 cms

Size (FG)	18	20	22	24	26	28	30	32
Colour Code	Red	Yellow	Violet	Light Blue	White	Green	Light Grey	Brown

AST01496-ISH AST01497-ISH AST01498-ISH AST01499-ISH AST01500-ISH AST01501-ISH AST01502-ISH AST01503-ISH

## URINE COLLECTION BAG WITH MEASURED VOLUME METER

- Designed for accurate measurement of hourly urine output during examination of the patient
- Clear and transparent measured volume meter with 250 ml capacity provides accurate measurement
- Manufactured from extra strong sheeting to withstand during long period
- Completely closed circuit eliminates the risk of contamination
- Urine bag attached directly with measured volume meter ensures auto over flow and convenience to empty the measured volume meter in the bag
- **Capacity** : 2000 ml



ASTO1504-ISH

## URINE COLLECTION BAG FOR PAEDIATRIC

- For short term urine collection of neonates
- Manufactured from medical grade PVC provided with hypoallergenic self adhesive for better grip and easy removal from soft skin of the infant
- Suitable for both male and female infants
- **Capacity** : 100 ml

ASTO1505-ISH



## T.U.R. SET (TRANS URETHRAL RESECTION SET)

### 'Y' Junction Set

- "Y" shaped set designed for Endoscopic irrigation during trans urethral resection of prostate gland
- Manufactured from non toxic, non irritant medical grade PVC
- Thumb operated clamps helps quick and smooth change of bottles
- Proximal end fitted with flexible latex tubing for easy connection to endoscope



ASTO1506-ISH





## FOLEYS BALLOON CATHETER (LATEX)

- Designed for short or long term urinary drainage in critically ill patients or those undergoing operative procedures
- Latex, siliconised
- Smooth outer surface is specially treated with medical grade silicon fluid for easy passage through urethra
- With a smooth tapered tip for easy introduction in urethra
- Accurate drainage eyes for effective drainage
- Symmetrical expansion of large capacity balloon in all directions to retain bladder efficiently
- Colour coded sleeves for easy and quick size identification
- Also available with plastic valve for better control on inflation / deflation of balloon and are proved to be more efficient than rubber valves
- Female catheter also available



**Two Ways**



**Three Ways**

### Sizes & Technical Specifications

Balloon Capacity (ml/cc)	Sizes Available (FR)	
	Two Ways	Three Ways
AST01507-ISH 1.5	6	-
AST01508-ISH 3-5	8,10	-
AST01509-ISH 5-15	12,14,16,18,20,22	-
AST01510-ISH 30	16,18,20,22,24,26,28,30	-
AST01511-ISH 30-50	16,18,20,22,24,26,28,30	14,16,18,20,22,24,26

# Urology

## URINE COLLECTION BAGS

### General Features

- Suitable for closed urine drainage system for short and long term use
- Manufactured from soft medical grade PVC Sheeting
- Efficient non return valve prevent the back flow of urine
- Smooth and kink resistant 90 to 115 cm long connecting tube with grooved tapered connector for easy connection to catheter
- Precise graduation upto 2000 ml with easy to read scale
- Available sterile or non-sterile

## URINE COLLECTION BAG WITH TOP OUTLET

- Suitable for short and long term urine collection
- Provided with a rod at the top for hanging the bag
- **Capacity** : 2000 ml

### Optional

- With specially molded handle for easy handling  
(**Product Code 1102**)



AST01512-ISH



AST01513-ISH

## URINE COLLECTION BAG WITH BOTTOM OUTLET

- Suitable for short and long term urine collection
- Reinforced eyelets allow easy hanging and provide maximum protection against tearing
- Push/Pull type bottom outlets allows convenient emptying
- **Capacity** : 2000 ml

### Optional

- With "T" type bottom outlet for hygienic, single hand operation and efficient emptying of the bag and Sampling port for collection of fresh urine sample (**Product Code 1104**)



AST01514-ISH



AST01515-ISH

## URINE COLLECTION LEG BAG WITH BOTTOM OUTLET



AST01516-ISH

- Suitable for day and night use during incontinence
- Provides freedom of mobility as the bag is attached to the leg of the patient
- Convenient for tying on leg or thigh with optional elastic leg straps

- **Capacity** : 800 ml

### Optional

- Elastic leg straps
- "T" type bottom outlet
- Sampling port

## ENDOTRACHEAL TUBE

Plain / Cuffed

- Designed to secure the airway and maintain the gas exchange in the lungs by inserting into the trachea through the oral/nasal cavity
- Manufactured from special non toxic, clear, transparent, thermo sensitive siliconised PVC material to protect delicate mucosal tissues and readily conforms to the body contour for better patient comfort
- Made from implant-tested medical grade PVC
- Fitted with standard 15 mm connector for attachments to all standard ventilator circuits in operation theaters or intensive care units
- Tube is graduated to assist in facilitating the positioning of the tube past the vocal cord as well as to ascertain insertion depth
- X-ray opaque line throughout the length to facilitate the exact location of the tube
- Murphy's eye near the tip to circumvent any obstruction due to foreign body impaction
- Smooth tip aids atraumatic intubations
- Latex free



### Endotracheal Tube with Cuff

- Pilot balloon with integral one way valve to ensure one way air flow
- High volume, low pressure, evenly shaped cuff with a pilot balloon integrated with the tube for secure positioning inside the trachea
- Cuff is optimally designed for routine intubation
- Distinguishable markings on the pilot balloon to indicate the size of the tube and the maximum allowable pressure of the cuff



Sizes (mm) : Tube I Ø

AST01517-ISH Plain : 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10.00

AST01518-ISH Cuffed : 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10.00

## TRACHEOSTOMY TUBE

Plain / Cuffed

- Specially designed for long term tracheostomy
- Helps in avoiding inflammation around tracheostomy due to being light in weight & non-irritant
- Provided with soft flexible flange for easy fixation
- Manufactured from non-toxic implantation tested siliconised PVC to protect delicate mucosal tissues
- 15mm connector can be rotated in 360° direction & facilitates the safe connection to breathing system from any direction
- X-ray opaque line is provided to assess the exact location of the tube



AST01519-ISH



### Tracheostomy Tube (Cuffed)

- Soft low pressure cuff dynamically adjusts the pressure at the point of contact during the breathing cycle. Thus minimize the risk of tracheal trauma & other complications
- Pilot balloon with non return valve facilitates the cuff inflation & deflation

Sizes (mm) :

AST01519-ISH **Plain** : 4.0, 4.5, 5.0, 6.0, 7.0, 7.5, 8.0, 9.0, 10.00

AST01520-ISH **Cuffed** : 5.0, 6.0, 7.0, 7.5, 8.0, 9.0, 10.00



AST01520-ISH



### Single use Silicone Laryngeal Mask

Size	Maximum Cuff Inflation Volumes (ml)	Patient Size
------	-------------------------------------	--------------

AST01521-ISH	1	4	upto 5 kg
AST01522-ISH	1½	7	5 to 10 kg
AST01523-ISH	2	10	10 to 20 kg
AST01524-ISH	2½	14	20 to 30 kg
AST01525-ISH	3	20	30 to 50 kg
AST01526-ISH	4	30	50 to 70 kg
AST01527-ISH	5	40	70 to 100 kg

## LARYNGEAL MASK AIRWAY

- Alternative airway device for anaesthesia and airway access, used as a preferable alternative to endotracheal tubes in some cases
- For use in operative procedures, intensive care units and during resuscitation
- Consists of an inflatable silicone mask and a rubber connecting tube. The silicone mask is integrated with a pilot balloon
- Allows rapid access to the airway, without the support of a laryngoscope or muscle relaxants
- Provides ventilation in spontaneous as well as controlled modes
- Has the advantage of being used during rescue airway access, following failed intubation
- Allows the option of being used as a conduit in fibreoptic laryngoscopy
- Attenuation of cardiovascular responses causing minimal changes in the haemodynamic parameters of the patient during insertion
- Available in single use/multiple use varieties



## VENTURI MASK

### Fixed Concentration Mask

- Designed for the fixed and accurate administration of a variety of oxygen concentrations to the patients
- Two oxygen diluters, one for lower concentration of 24%, 26%, 28%, 30% (blue colour) and the other for higher concentration of 35%, 40%, 50% (white colour) for adjusting oxygen flow rate
- Dilutor chamber with markings for regulating the concentration of oxygen administered depending on the clinical condition
- Oxygen mask made from soft non-toxic, medical grade PVC material, designed to comfortably fit on the patient's face
- Nasal clip for secure placement
- Elastic band for better positioning
- Soft, kink resistant, long star lumen tubing having internal serrations to prevent its collapse, for connecting the mask with the oxygen supply
- Non-sterile, individually packed in polybag
- For single patient use
- **Sizes** : Adult, Paediatric



AST01528-ISH

CE  
0470

## RESPIRATORY EXERCISER

### Single Ball Model

- Helps patient to recover the normal respiration after a chest or abdominal surgery. Also helps to develop, improve and maintain respiratory fitness
- Encourages deep and prolonged Inspiration
- Dual-chamber design creates a constant resistance that lifts a ball when patient maintains inspiration equal to the selected in piratory flow setting
- The system works on maximum inspiration maintained
- Air filter for enhanced protection
- Soft, aesthetically coloured inspiratory tubing with accommodative groove when not in use
- Medical grade flawless sealing
- The small-size design proves economical in maintenance and storage costs



CE

AST01529-ISH



## RESPIRATORY EXERCISER

### Three Balls Model

- Helps patient to recover the normal respiration after a chest or abdominal surgery. Also helps to develop, improve and maintain respiratory fitness
- Encourages deep and prolonged Inspiration
- Three chamber design allows patient to lift the balls without any resistance to achieve the maximum volume in minimum time
- Transparent, well calibrated chambers with colour coded triple balls allows visual calibration and estimation of the patient's progress
- Air filter for enhanced protection
- Soft, aesthetically coloured inspiratory tubing with accommodative groove when not in use
- It incorporates a container to place the mouthpiece after being washed which has a lower overture to drain the spared cleaning water drops and maintains hygienity
- Medical grade flawless sealing
- Sleek, stable design



AST01530-ISH

## GUDEL AIRWAY

### Oro-Pharyngeal Airway



AST01531-ISH

- Specially designed to maintain an unobstructed oropharyngeal airway during general anaesthesia and in unconscious patients
- Integral hard bite block to prevent biting of tongue and airway occlusion
- Rounded atraumatic edges
- Smooth airway path for easy cleaning
- Color coded for easy identification of sizes
- Manufactured from non toxic, non-irritant polymer PE

Size (FG)	000	00	0	1	2	3	4	5
Colour Code	Violet	Blue	Black	White	Green	Orange	Red	Yellow

## MINI CLOSE WOUND SUCTION UNIT

- Specially designed for wound drainage under negative pressure for minor surgery and plastic surgery
- Frozen surface catheter and smooth round eyes facilitate efficient drainage
- Easy to use catheter to connect bellow container
- **Unit consists of**
  1. Bellow container with capacity 50 ml
  2. Curved needle with matching size catheter



CE  
0470

Size (FG)	6	8
Colour Code	Light Green	Blue
	ASTD1532-ISH	ASTD1533-ISH

## THORACIC DRAINAGE CATHETER

### Chest Drainage Catheter



CE  
0470

ASTD1534-ISH

- Most suitable for post operative drainage after cardio-thoracic and thoracic surgery
- Atraumatic and rounded open distal end with super smooth large eyes to provide trauma free drainage from the chest
- Proximal end is fitted with specially designed tapered tongue for easy and non-traumatic insertion
- Radio opaque line throughout the length and marking at every 2 cms from the last eye to ascertain the depth of placement
- Cross side eyes to prevent tissue aspiration
- Matching size loose connector which facilitates easy connection to drainage system
- Curved thoracic drainage catheter is provided with curved angle (90°) for easy aspiration of drainage
- Manufactured from non-toxic, non irritant medical grade PVC
- **Length:** 45 cm
- **Sizes:** FG - 12, 14, 16, 18, 20, 22, 24, 28, 32, 36, 40



## THORACIC TROCAR CATHETER

- Specially designed for rapid non operative pleural and chest drainage
- Catheter manufactured from medical grade PVC mounted on trocar for easy penetration, placement and proper handling
- Proximal end is fitted with tapered connector for easy connection to drainage bottle
- Smooth taper shaped tip
- Large smooth drainage eyes for efficient drainage
- Flat handle facilitates easy maneuverability
- Provided with markings at 5, 10, 15 & 20 cm from the distal tip to ascertain depth of placement
- **Sizes:** FG - 8, 10, 12, 14, 16, 18, 20, 22, 24, 28, 32, 36



AST01535-ISH

CE  
0470

## ABDOMINAL DRAINAGE SET

- Soft abdominal drainage catheter with collection bag of capacity 2000 ml
- Catheter with atraumatic and rounded open distal end and smooth eyes for efficient drainage
- Specially designed handle holds tube up right and facilitates carrying
- Radio- opaque line on catheters
- **Sizes:** FG 16, 20, 24, 28, 32, 36



CE  
0470

AST01536-ISH

## INTRA COSTAL DRAINAGE SET

### Water Drainage Bag

- Water sealed drainage system for collection of drainage fluid from thoracic and abdominal cavity
- Specially designed moulded handle for easy carrying and hanging of the bag
- Soft and kink resistant non-toxic medical grade PVC tubing
- PVC drainage bag available in 1000 ml, 2000 ml Capacity



CE  
0470

AST01537-ISH



**PROPENE™**

## MONOFILAMENT POLYPROPYLENE MESH

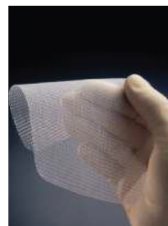
Non Absorbable Surgical Mesh for Hernia Repair

PROPENE™ Surgical Mesh is intended to assist in the repair and reinforcement of hernia and other fascial defects requiring the additional support of a non-absorbable mesh during and after wound healing. Surgical Mesh is knitted from monofilament fibers of polypropylene polymer from which surgical sutures are manufactured. In the form of a surgical suture, synthetic polypropylene is reported to resist tensile strength loss indefinitely in tissue. Bio-compatible in nature, Surgical Mesh are good in strength and offer burst resistance for permanent support. The mesh offers long stability and superior performance.

PROPENE™ Surgical Mesh is knitted in such fashion as to interconnect each monofilament fiber and provide bi-directional elasticity, while allowing the mesh to be cut to any shape without unraveling.

### Features

- Non-absorbable & Monofilament Polypropylene Mesh is constructed of knitted filaments of extruded polypropylene
- Knitting mesh design
- Mesh Thickness: 0.675mm
- High tensile strength and burst resistance upto 14 Kg/cm<sup>2</sup>
- Bio compatible, open knit construction allows in-growth of host tissues and encourages natural repair
- Flexible, strong, elastic & transparent mesh
- Porosity for high visibility, colonization and integration
- Provides maximum support and elasticity permanently
- No shrinkage provides long term material stability important to counter muscular contraction
- Thinner mesh for easy manipulation and placement for Laproscopic surgery
- Sterilized by EO
- Available in individual sterile pack
- Can be supplied in double pack with Tyvek pouches



### Sizes

Item Code	Dimensions	Packing
IH 611	6 cm x 11 cm	6 sheets / box
IH 715	7.6 cm x 15 cm	6 sheets / box
IH 151	15 cm x 15 cm	3 sheets / box
IH 303	30 cm x 30 cm	1 sheet / box

AST01538-ISH

AST01539-ISH

AST01540-ISH

AST01541-ISH



## Other Products

### ARTERIAL VENOUS FISTULA NEEDLE

- Used to connect blood lines to the blood vessel through needle when dialysis is carried out via an internal fistula
- Siliconised ultra thin walled & sharp beveled cannula to minimize trauma to the patient
- Back eye for uninterrupted blood flow through the needle
- Flexible butterfly wings for proper fixation
- Siliconised beveled edge of the needle ensures atraumatic insertion
- Soft, frosted and kink resistant PVC tubing
- Colour coded wings for easy identification of size
- Also available with rotating wings
- **Tube Length: 38 cms**



Size (FG)	15	16	17
Colour Code	Orange	Green	White
	AST01542-ISH	AST01543-ISH	AST01544-ISH

### INFANT MUCUS EXTRACTOR



CE  
0470

AST01545-ISH

- Specially designed for aspiration of secretion from oropharynx in newly born babies to ensure free aspiration
- Clear transparent graduated container permits measurement and immediate visual examination of the aspirate
- Convenient to extract mucus specimen for microbiological examination
- Spare plug cap provided for safe sealing and storage of specimen for testing and aseptic disposal
- Super smooth catheter with open end smooth round tip is provided for trauma free insertion
- Funnel shaped adapter at the proximal end of suction tube for simple and secured connection
- Manufactured from non toxic, transparent medical grade PVC
- Also available with bacterial barrier filter at suction end
- **Capacity: 25ml**
- **Catheter Size : 10 FG**

## YANKAUR SUCTION SET

With Standard Handle

- Suitable for pre operative removal of secretion, blood and debris etc.
- Complete set is provided with Yankaur Suction Tip mounted on two meter long ribbed tube provided with universal connector at both ends
- Proximal end is attached to cut to fit type of connector to facilitate attachment to any model of suction apparatus
- Standard funnel connector at distal end of tubing to connect Yankaur Handle
- Transparent moulded handle for per operative suction
- Yankaur Handle is open end with 4 lateral eyes to withstand negative pressure and ensures continuous and easy suction of fluid
- Yankaur Handle available in standard or crown tip with or without vacuum thumb control
- Ribbed, soft and kink resistant PVC tubing for unobstructed suction during the prolonged use
- **Tube length:** 200 cm
- **Tube dimension:** I Ø 6.0 mm & O Ø 9.0 mm



AST01546-ISH



AST01547-ISH

## CORRUGATED DRAINAGE SHEET

- Designed for efficient multichannel wound drainage specially where airtight closure of wound is not possible
- Extra soft super smooth PVC corrugated sheet for wound drainage
- Radio-opaque line provided throughout the sheet length for x-ray visualization
- **Sizes:** 250 mm x 25 mm, 400 mm x 25 mm

## SURGICAL BLADE STERILE

- Surgical blades for surgical procedures
- Available in both stainless and carbon steel
- Each blade is protected by VCI paper in a peel-open foil sachet
- It is sterilized by Gamma Radiation of 2.5 M Rads
- Disposable, sterile, non pyrogenic
- **Sizes :** 10, 10A, 11, 12, 15, 18, 20, 21, 22, 23, 24, 25



## DISPOSABLE SCALPEL STERILE



- Consist of pre-assembled stainless steel surgical blade mounted on a ABS graduated plastic handle with fluted finger grips
- Blade is safely protected by a LDPE (plastic) guard
- Individually packed in peel pack medical grade paper or can also be provided in peel open foil sachet
- Thumb scalpel also available with small plastic handles, supplied non-sterile, fitted with blade numbers 10, 11, 15
- **Sizes :** 10, 10A, 11, 12, 15, 18, 20, 21, 22, 23, 24, 25

## SKIN STAPLER

- Superior design and simple use gives uniform tension for optimum approximation, reduces tissue compression and trauma
- Reliable stapling, good grip for better control, no jamming
- Non corrosive, superior inert stapler pins suitable for surgical implants
- Superior cosmetic results as it allows good blood supply to tissues, promotes faster scar free healing
- Re loadable cartridge
- Sterile Stainless steel extractor for painless and effortless extraction
- For single use only
- Available in two types, 35 R and 35 W



# Gastroenterology

## INFANT FEEDING TUBE

- Designed for neonates and paediatric nutritional feeding
- Distal end is coned with two lateral eyes for efficient drainage
- Proximal end is provided with female luer mount for easy connection to feeding device
- Super smooth tip & low friction siliconised tubing ensures trauma free intubation
- Manufactured from non-toxic, medical grade PVC non irritant to delicate mucosa
- Radio opaque line throughout the length for X-ray visualisation
- Colour coded for instant identification of sizes
- Length: 52 cms



ASTD1551-ISH

Size (FG)	4	5	6	7	8	9	10
Colour Code	Red	Grey	Green	White	Blue	Orange	Black

## RYLE'S TUBE

### Nasogastric Tube



CE  
0470

ASTD1552-ISH

- Specially designed for nasogastric introduction for nutrition and aspiration of intestinal secretion
- Distal end is coned with corrosion resistant steel balls sealed into the tube to facilitates easy insertion
- Proximal end is provided with universal funnel shape connector for easy extension
- Four lateral eyes are provided for efficient aspiration & administration treatment
- Super smooth, low friction surface facilitates easy intubation
- Marked at 50, 60 and 70 cms from the tip for accurate placement into the abdomen
- Manufactured from non-toxic, non irritant medical grade PVC
- Radio opaque line throughout the length for X-ray visualisation
- Colour coded funnel shape connectors for instant identification of sizes
- Length: 105 cms

Size (FG)	6	8	10	12	14	16	18	20	22	24
Colour Code	Light Green	Blue	Black	White	Green	Orange	Red	Yellow	Violet	Light Blue

## LEVIN'S TUBE

### Gastro Intestinal Feeding Tube

- Designed for gastro-intestinal feeding and aspiration of intestinal secretion
- Distal end is coned with four lateral eyes for efficient drainage
- Proximal end is provided with universal funnel shape connector
- Low friction medical grade PVC reduces the incidence of nasal discharge
- Marked at 45, 55, 65 & 75cm from the tip for accurate placement
- Manufactured from non-toxic, non irritant medical grade PVC
- Radio opaque line throughout the length for X-ray visualisation
- Colour coded funnel shape connectors for instant identification of sizes
- Length: 125 cms



Size (FG)	6	8	10	12	14	16	18	20	22	24
Colour Code	Light Green	Blue	Black	White	Green	Orange	Red	Yellow	Violet	Light Blue

## STOMACH TUBE

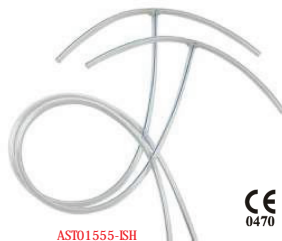
- Designed for gastro-intestinal feeding and & aspiration
- Distal end is coned with four lateral eyes for efficient drainage
- Proximal end is provided with universal funnel shape connector
- Low friction medical grade PVC reduces the incidence of nasal discharge
- Marked at 45, 55, 65 & 75cm from the tip for accurate placement
- Manufactured from non-toxic, non irritant medical grade PVC
- Radio opaque line throughout the length for X-ray visualisation
- Colour coded funnel shape connectors for instant identification of sizes
- Length: 105 cms



Size (FG)	6	8	10	12	14	16	18	20	22	24
Colour Code	Light Green	Blue	Black	White	Green	Orange	Red	Yellow	Violet	Light Blue

## KEHR'S "T" TUBE

- For Short term post operative drainage of common bile duct
- Super smooth siliconised low friction surface prevents clogging
- Manufactured from non-toxic, non irritant medical grade PVC for long term use
- Radio opaque line throughout the length for X-ray visualisation
- **Length:** 20 x 60 cms
- **Sizes:** FG 8, 10, 12, 14, 16, 18, 20, 22



CE  
0470



CE  
0470

## COLOSTOMY BAG

- Specially designed for colostomy under closed system
- Manufactured from extra soft medical grade PVC sheet
- Coated with hypo-allergic adhesive to prevent skin maceration
- The hole opening can be changed if required

### Sizes & Technical Specifications

Bag Size	Hole Diameter
25 X 14 cm	3 cm
21.5 X 14 cm	4 cm

AST01556-ISH

AST01557-ISH





# General Surgery & Wound Care

## CLOSE WOUND SUCTION UNIT

- Designed for close wound drainage under low / negative pressure postoperatively
- Suitable to offer surgeons and doctors to use one or two catheters simultaneously
- Redon drain (perforated) catheters are provided with radio opaque line and satin smooth eyes
- Easily compressible large bellow chamber provides long lasting suction
- Connecting tube is kink resistant and is provided with additional strength to withstand the suction
- Easy to use by one person, depress the chamber to active the suction of bellow unit
- Available in different sizes with matching size curved needle to meet moderate to heavy drainage needs
- **Unit consists of**
  1. Bellow unit with connector
  2. Connecting tube with clamp and "Y" connector
  3. Curved needle with matching catheter
  4. Spare perforated catheter
- **Bellow Capacity:** 600 ml & 800 ml



AST01558-ISH

CE  
0470

Size (FG)	6	8	10	12	14	16	18	20	22	24
Colour Code	Light Green	Blue	Black	White	Green	Orange	Red	Yellow	Violet	Light Blue



## Disposable Catheter Tip





## Disposable Speculum

Screw Type



AST01558-4-KG

French Type



AST01558-5-KG

Tache Type



AST01558-6-KG



## LATEX SURGICAL GLOVES

Pre-Powdered & Powder Free

Sterile Surgical Gloves are anatomically shaped medical gloves with the thumb positioned towards the palmer surface of the index finger rather than laying flat and intended for use in invasive surgery.

PROTEK® Latex Surgical Gloves are made of more secure material than any other gloves, are extra safe and comfortable, offering greater physical protection from surgical dangers, almost like a protective second skins. Though cut and puncture resistant, the micro-thin polymer mesh still allows optimal tactility & hand mobility, facilitating the use of all standard clamps and instruments, delicate hand maneuvering, suturing & knot tying. These gloves also facilitate the identifying of fine objects by touch, being changes to the normal curves and bends of the human hand.

### Features

- Conforms to standards of ASTM D-3577, EN 455, ISO 10282
- High strength and elasticity of high grade Natural Rubber Latex
- Micro roughened outer surface offers outstanding tactility and provides excellent wet and dry grip
- Designed perfectly anatomical for comfortable wrinkle-free fitting and to reduce hand fatigue from prolonged surgical procedures
- Extremely soft rubber provides superior comfort and natural fit
- Easy donning and helps prevents rolling back
- Beaded cuff for secure fit
- Extra length provides additional protection from surgical debris
- **Pre-Powdered** gloves are lightly powdered with USP grade absorbable corn starch
- **Powder-Free** gloves are an ideal alternative where powder is not desirable as they eliminate risks associated with glove powder. These gloves have consistently low protein levels of 50 µg/gm or less and are manufactured on sophisticated automatic chlorinator machines for consistent quality.
- On-line leaching process reduce content of soluble proteins
- Hypoallergenic reducing potential allergic reactions
- Bio-Burden and sterility tested
- 100% inspected to ensure that they meet and exceed international specification
- Sterilized by ethylene oxide gas / gamma radiation sterilization (upon request)
- **Sizes:** 5.5, 6, 6.5, 7, 7.5, 8, 8.5 & 9

### PACKING

- **Sterile:** One pair (left & right) folded & packed in a paper wallet with each such wallet packed and sealed in peel/tear open paper pouch. 50 such pouches packed in dispenser box.
- **Non-Sterile:** (to be sterilized prior to use) One pair (left & right) packed in open poly bag. 25/50 such pairs packed in dispenser box.



AST01558-7-KG



## LATEX EXAMINATION GLOVES

Pre-Powdered & Powder Free

Examination gloves are sterile or non sterile medical gloves which may or may not be anatomically shaped, intended for conducting medical examination, diagnostic and therapeutic procedures and for handling contaminated medical material. The highest quality of medical grade exam gloves is to act as a reliable, protective barrier which prevents the transmission of organisms and blood-borne pathogens to its users.

These are similar to surgical gloves except the cuff length is slightly less & can be worn on either hand. Their main advantage is that they can be worn for longer periods comfortably; they offer good sensitivity & are relatively cheaper than surgical gloves. Can be used where surgical gloves can be avoided



AST01558-8-KG

### Features

- Conforms to standards of ASTM D-3578, EN 455
- High strength and elasticity of high grade Natural Rubber Latex
- Softness provides superior comfort and natural fit
- Easy donning and helps prevents rolling back
- Micro rough texture to provide better grip
- Ambidextrous-to fit either hands
- Beaded cuff for secure fit
- **Pre-Powdered** gloves are lightly powdered with USP grade absorbable corn starch
- **Powder Free** gloves are an ideal alternative where powder is not desirable as they eliminate risks associated with glove powder. These gloves have consistently low protein levels of 50 µg/gm or less and are manufactured on sophisticated automatic chlorinator machines for consistent quality.
- Manufactured and packed under clean and hygienic dust free environment ensuring low Bio-Burden on the gloves
- **Sizes:** Extra-small, Small, Medium, Large, Extra-large

### PACKING

- **Sterile:** (Available in piece & pair pack) Each (piece/pair) glove packed in a paper wallet with each such wallet packed in peel/tear open paper pouch. 50 such pouches packed in dispenser box.
- **Non-Sterile:** 100 gloves packed in a dispenser box.



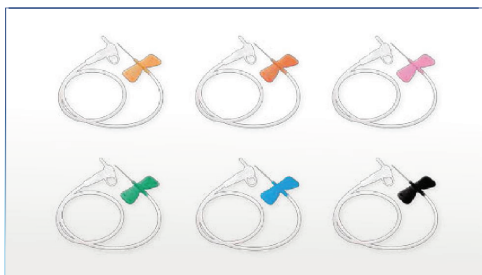
## Disposable Injection needle



	Pipe Outside Diameter		Colour Code		Pipe Length
	O. D.	Gauge	Colour		
AST01559-KG	0.33	29G	Orange Red		1/2"
AST01560-KG	0.4	27G	Grey		5/8"
AST01561-KG	0.45	26G	Brown		5/8"
AST01562-KG	0.5	25G	Orange		3/4"
AST01563-KG	0.55	24G	Purple		1"
AST01564-KG	0.6	23G	Blue		1" 11/4"
AST01565-KG	0.7	22G	Black		1 1/8" 11/4"
AST01566-KG	0.8	21G	Green		13/8" 11/2"
AST01567-KG	0.9	20G	Yellow		11/2"
AST01568-KG	1.1	19G	Pea Yellow		11/2"
AST01569-KG	1.2	18G	Pink		11/8" 11/2"
AST01570-KG	1.6	16G	White		11/2"
AST01571-KG	1.8	15G	Pea Green		11/2"



## Disposable Scalp Vein Set



Single-Wing Luer Slip

Butterfly Luer Slip



Butterfly Luer Slip

	Pipe Outside Diameter		Colour Code		Pipe Length
	O. D.	Gauge	Colour		
AST01572-KG	0.4	27G	Grey		5/8"
AST01573-KG	0.45	26G	Brown		5/8"
AST01574-KG	0.5	25G	Orange		3/4"
AST01575-KG	0.55	24G	Purple		3/4"
AST01576-KG	0.6	23G	Blue		1"
AST01577-KG	0.7	22G	Black		1"
AST01578-KG	0.8	21G	Dark Green		1 1/8"
AST01579-KG	0.9	20G	Yellow		1 1/8"
AST01580-KG	1.1	19G	Pale Yellow		1 1/4"
AST01581-KG	1.2	18G	Pink		1 1/4"



## UMBILICAL CORD CLAMP

- Designed for clamping the umbilical cord of newly born baby immediately after the birth
- Manufactured from Non toxic Medical grade polymer
- Provided with double purpose security lock with a click to indicate correct locking and protect against accidental re-opening
- Finger grip ensure safe and convenient handling
- Grooved clamping area to prevent slipping of the umbilical cord and to retain cord in same position
- Available with re-opening facilities



AST01582-KG

## UMBILICAL CATHETER

Catheter for Umbilical Cord



AST01583-KG

CE  
0470

- Designed for intermittent or continuous access to the umbilical artery or vein of newly born or premature infants
- Smooth round tip helps easy cannulation and silk finish surface further facilitates the passage of catheter in the vein
- Open distal end without lateral eyes to eliminate chance of clot forming in the blind spaces
- Proximal end is fitted with luer mount for convenient connection to I.V. therapy equipment also prevents backflow and contamination
- Tube with radio-opaque line, marked at every cm from the open distal end helps in measuring the length of cannula insertion
- Manufactured from soft and non-toxic medical grade PVC material
- **Sizes:** FG - 3.5, 4, 5, 6, 8



## KARMAN CANNULA

With and without Adaptor

- Specially designed for aseptic medical termination of pregnancy
- Distal end is coned with two large lateral eyes to facilitate the curette
- Suitable for use with MTP syringe or any model of suction machine



AST01584-KG

Size (FG)	5	6	7	8	10	12
Colour Code	Grey	Orange	Red	Green	Blue	Royal Blue

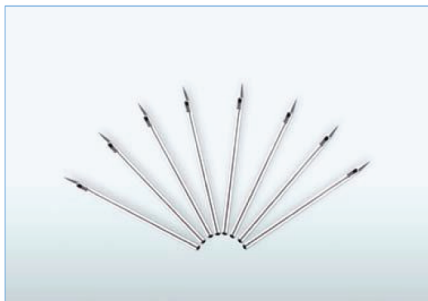
## INTRODUCER SET



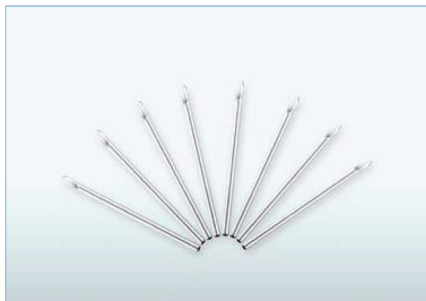
AST01585-KG

- Used in wide ranging applications from interventional radiology to interventional cardiology.
- Primarily used to introduce balloon, electrode, diagnostic and other catheters into femoral vessels for diagnostic and therapeutic intervention in the coronary arteries.
- Each component has been scientifically designed and developed with utmost engineering precision keeping in mind the myriad requirements of clinicians involved in interventional procedures .
- **Sizes :** Fr 5, 6, 7, 8, 9

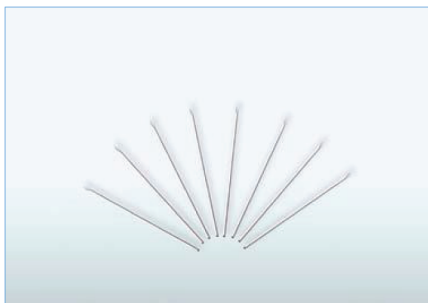
## Needles Tube



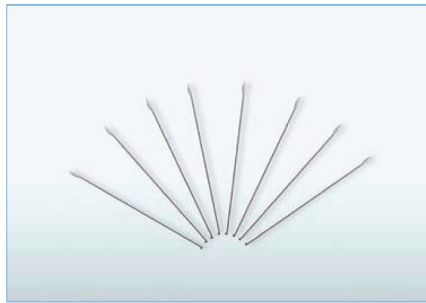
Hole In Side Face of The Needle



Needle for Infusion Set



Needle for IV Catheter

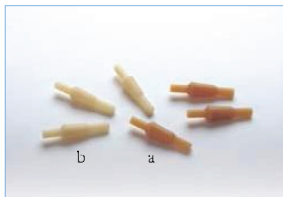


Needle for Sterile Syringe

## Disposable Fittings of Infusion Set



Regulator of Infusion Set **AST01586-KG**



Flash-ball of Infusion Set **AST01587-KG**  
a). latex  
b). latex-free



Drip Chamber with Spike of Infusion Set **AST01588-KG**



Clamp **AST01589-KG**



Spike of Infusion (Transfusion) Set **AST01590-KG**



Y-site of Infusion Set **AST01591-KG**



Precision Flow Regulator **AST01592-KG**

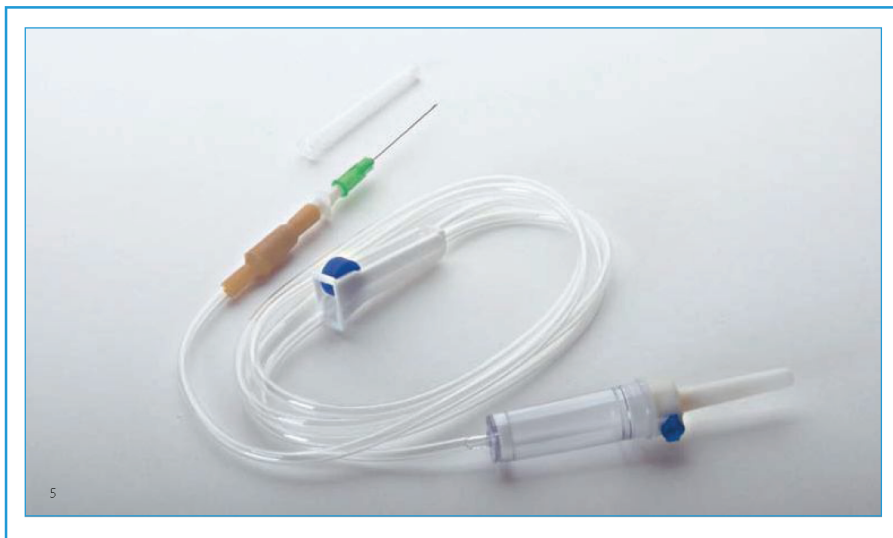


Drip Chamber of Infusion (Transfusion) Set **AST01593-KG**



Luer Lock Connector of Infusion Set **AST01594-KG**

## Disposable Infusion Set



ASTO1595-KG

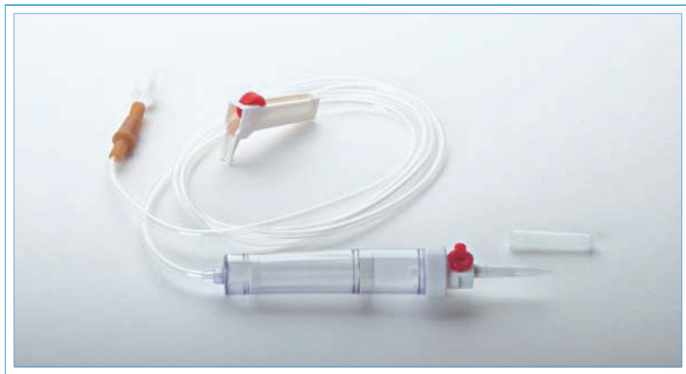


ASTO1596-KG



ASTO1597-KG

## Disposable Transfusion Set



AST01598-KG



AST01599-KG

## Disposable Infusion Set With Precision Filters



AST01600-KG



AST01601-KG



AST01602-KG



AST01603-KG

## Disposable Infusion Set



AST01604 -KG



AST01605 -KG

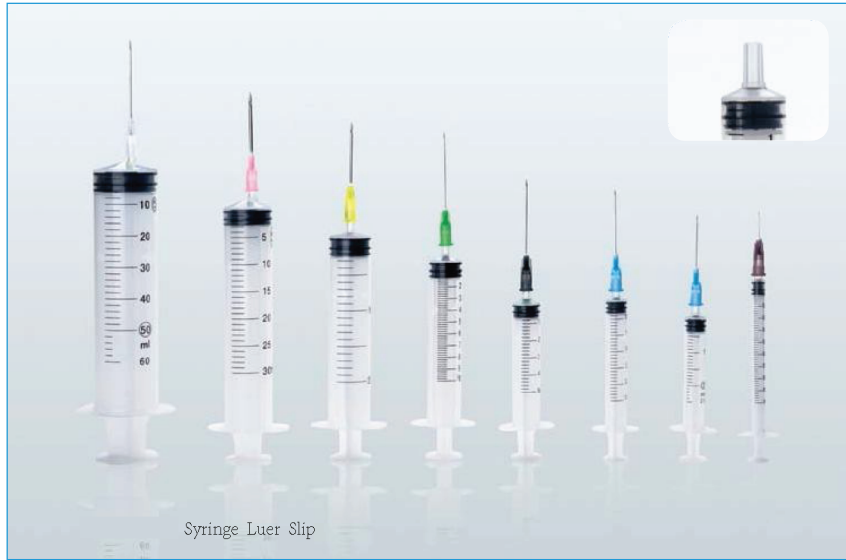


AST01606 -KG



AST01607 -KG

## Disposable Syringe



Syringe Luer Lock

Medicine Solve Syringe

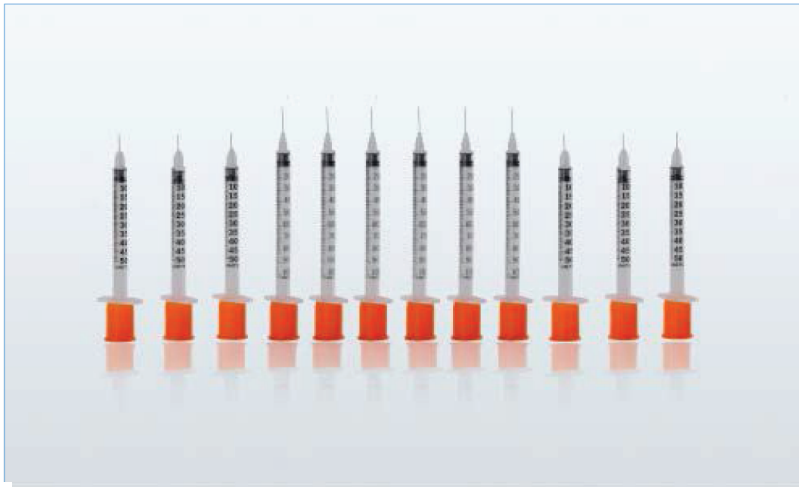




## Disposable Insulin Syringe



Unit	Color	Size	Needle size	Needle length
ASTD1609-KG U-40	Red	0.5ml/1ml	27G	1/2"
			28G	1/2"
			29G	1/2", 3/8", 5/16"
			30G	1/2", 3/8", 5/16"
			31G	1/2", 3/8", 5/16"
ASTD1610-KG U-100	Orange	0.5ml/1ml	27G	1/2"
			28G	1/2"
			29G	1/2", 3/8", 5/16"
			30G	1/2", 3/8", 5/16"
			31G	1/2", 3/8", 5/16"





### INSULIN SYRINGE

**Item code:** ASTD1611-LL

**Specification:** 0.3ml, 0.5ml, 1ml

**Needle:** 29G\*1/2, 30G\*1/2

**Calibration:** U40, U100

**Package:** polybag or blister



### SAFETY RETRACTABLE SYRINGE

**Item code:** ASTD1612-LL

**Material:** medical grade PP or PE

**Specification:** 1ml, 2ml, 3ml, 5ml, 10ml, 20ml

**Needle:** ordinary needle size per specification

**Package:** polybag or blister



### HYPODERMIC NEEDLE

**Item code:** ASTD1613-LL

**Material:** high quality stainless steel

**Specification:** 16G-30G, color coded hub by size for recognition

**Package:** polybag or blister



#### DISPOSABLE THREE-PARTS SYRINGE LUER SLIP

**Item code:** ASTD1614-LL

**Material:** medical grade PP

**Specification:** 0.5ml--60ml

**Piston:** latex or latex free

**Needle:** ordinary needle size per specification

**Package:** polybag or blister



#### DISPOSABLE THREE-PARTS SYRINGE LUER LOCK

**Item code:** ASTD1615-LL

**Material:** medical grade PP

**Specification:** 1ml--100ml

**Piston:** latex or latex free

**Needle:** ordinary needle size per specification

**Package:** polybag or blister



#### DISPOSABLE TWO-PARTS SYRINGES

**Item code:** ASTD1616-LL

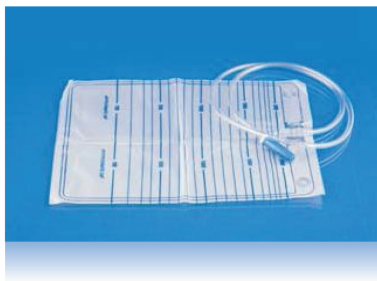
**Material:** medical grade PP or PE

**Specification:** 2ml, 5ml, 10ml, 20ml

**Needle:** ordinary needle size per specification

**Package:** polybag or blister or in bulk





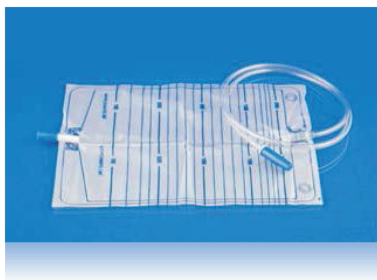
#### URINE DRAINAGE BAG WITHOUT OUTLET

**Item code:** ASTD1617-LL  
**Material:** non-toxic PVC  
**Size:** 2000ml  
**Package:** polybag



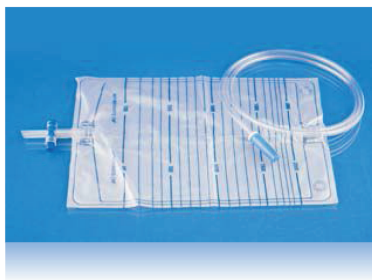
#### URINE DRAINAGE BAG WITH PULL-PUSH VALVE

**Item code:** ASTD1618-LL  
**Material:** non-toxic PVC  
**Size:** 2000ml  
**Package:** polybag



#### URINE DRAINAGE BAG WITH SCREW VALVE

**Item code:** ASTD1619-LL  
**Material:** non-toxic PVC  
**Size:** 2000ml  
**Package:** polybag



#### URINE DRAINAGE BAG WITH T VALVE

**Item code:** ASTD1620-LL  
**Material:** non-toxic PVC  
**Size:** 2000ml  
**Package:** polybag





#### ENTERAL FEEDING SETS

**Item code:** AST01621-IL



#### ENTERAL FEEDING BAG

**Item code:** AST01622-IL



#### URINE CUP

**Item code:** AST01623-IL

**Material:** medical grade PP

**Specification:** 30ml, 60ml, 100ml, 120ml

**Package:** individual polybag or in bulk



#### DISPOSABLE INFUSION SET / I.V. SET.

**AST01624-LL** **Material:** medical grade PVC, with or without DEHP

**Specification:** 1.big chamber with air vent 2.common pvc or elastic tube, 120~180mm  
3.rubber or y-site connection 4.polybag or blister packing



#### SCALP VEIN SET

**Item code:** AST01625-LL

**Material:** medical grade PVC

**Specification:** 1.luer slip or luer lock 2.size: 16G~27G  
3.polybag or blister packing



#### I.V. CANNULA PEN-LIKE

**Item code:** AST01626-LL

**Size:** 14G, 16G, 17G, 18G, 20G, 21G, 22G, 24G



#### I.V. CANNULA BUTTERFLY

**Item code:** AST01627-LL

**Size:** 14G, 16G, 17G, 18G, 20G, 21G, 22G, 24G



#### I.V. CANNULA WITH INJECTION PORT

**Item code:** AST01628-LL

**Size:** 14G, 16G, 17G, 18G, 20G, 21G, 22G, 24G





#### IRRIGATION SYRINGE WITH CATHETER TIP

**Item code:** AST01629-LL

**Material:** medical grade PP

**Specification:** 50/60/100 (ml/cc)

**Package:** polybag / blister



#### ORAL SYRINGE

**Item code:** AST01630-LL

**Material:** medical grade PP

**Specification:** 1-20ml

with different adsptor / dispensing tube



#### BLOOD TRANSFUSION SET

**Item code:** AST01631-LL

**Material:** medical grade PVC



### LATEX EXAMINATION GLOVE

**Item code:** AST01632-LL

**Material:** nature latex

**Specification:** S, M, L, XL

**Grade:** AQL1.5, AQL2.5, AQL4.0

**Powdered and powder free**

**Smooth and Rough, non-sterile**

**Package:** 100pcs per box



### LATEX SURGICAL GLOVE

**Item code:** AST01633-LL

**Material:** nature latex

**Specification:** 6, 6.5, 7, 7.5, 8, 8.5

**Powdered and powder free**

**Smooth and Rough**

**Steriled by Gamma Ray or EO Gas**

**Package:** one pair/pouch, 50pairs per box



### OXYGEN MASK

**Item code:** AST01634-LL

#### FEATURES:

- Made of medical PVC.
- Without nose clip, face-fit shape.
- Medium concentration.
- Flexible connector, 360° rotation, more convenient for use.
- Available with anti-crush 7ft. tubing.



### NEBULIZER MASK

**Item code:** AST01635-LL

#### FEATURES:

- Made of medical PVC.
- Without nose clip, face-fit shape.
- Medium concentration.
- Flexible connector, 360° rotation, more convenient for use.
- Available with anti-crush 7ft. tubing.
- 6cc or 10cc nebulizer cup.



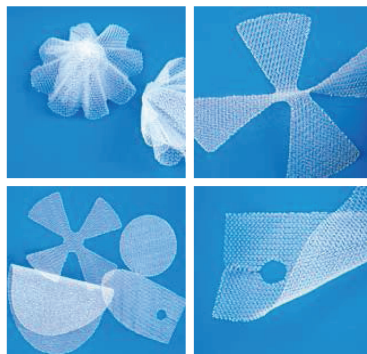
## HERNIA MESH

### **Features:** AST01636-LL

*The mesh plug has redefined the repair of all primary and recurrent inguinal hernias. Use of the mesh requires less overall dissection and when using a "tension-free" surgical technique. This results in increased patient comfort, faster rehabilitation and fewer recurrences.*

*The mesh has a tapered shape that eases its insertion into the hernia defect. Also, general anaesthesia is not required, the peritoneal cavity is not entered, and there is no postoperative ileus or nausea.*

- Plug and patch for simple, open anterior approach to a preperitoneal repair of the hernia defect.
- Minimal dissection.
- Simple technique can be performed in 25 minutes or less.
- Quick recovery and low complications.
- The material: medical grade Polypropylene.
- The shape: flat and preforming.





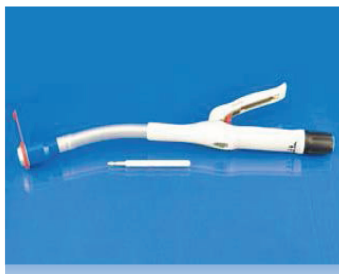
**DISPOSABLE LINEAR STAPLER**

*Item code:* AST01637-LL



**DISPOSABLE LINEAR CUTTER STAPLER**

*Item code:* AST01638-LL



**DISPOSABLE CIRCULAR STAPLER**

*Item code:* AST01639-LL



**DISPOSABLE HEMORRHOIDS STAPLER**

*Item code:* AST01640-LL

## Plusflon



I.V. Cannula (Plusflon) with injection valve & wings has been designed to provide extra medication, through injection port, without pain.

### Specification

AST01641-MD  
AST01642-MD  
AST01643-MD  
AST01644-MD  
AST01645-MD  
AST01646-MD  
AST01647-MD  
AST01648-MD

GAUGE	COLOUR	INT – EXT DIA (IN MM)	LENGTH (IN MM)	WATER FLOW (ML/MIN.)
14	Orange	1.6 – 2.1	45	240
16	Grey	1.4 – 1.8	45	180
17	White	1.2 – 1.5	45	125
18	Green	0.9 – 1.3	45	90
20	Pink	0.8 – 1.1	32	60
22	Blue	0.6 – 0.9	25	36
24	Yellow	0.5 – 0.7	19	20
26	Violet	0.4 – 0.6	19	13

### Needle:

Siliconised and ground stainless steel needle with ultra-sharp triple facet bevel for smooth and painless venipuncture.



### Catheter:

Made of kink resistant and biocompatible PTFE, with extremely smooth inner and outer surface to ensure easy venipuncture with minimum trauma.

### Packing List

INNER CARTON QTY	OUTER CARTON QTY	OUTER CARTON BOX						CBM PER OUTER CARTON	QUANTITY PER 20 FT. CONTAINER (29,000 CBM)	QUANTITY PER 40 FT. CONTAINER (58,000 CBM)	QUANTITY PER 40 FT. HC CONTAINER (65,000 CBM)
		VOLUME (CM)			WEIGHT (KG)						
		L	W	H	VOL.	NET	GROSS				
100	1000	69.8	32	17.8	6.63	5.12	6.32	0.04	725,000	1,460,000	1,630,000

Also available –

1. PUR / FEP Catheter
2. Catheter with radio-opaque stripes  
hydrophobic bacteria retention filter.



# Pluscan



I.V. Cannula (Pluscan) without injection valve & with wings has been designed to prevent with high risk from additional opening in the cannula.

## Specification

	GAUGE	COLOUR	INT – EXT DIA (IN MM)	LENGTH (IN MM)	WATER FLOW (ML/MIN.)
AST01649-MD	14	Orange	1.6 – 2.1	45	240
AST01650-MD	16	Grey	1.4 – 1.8	45	180
AST01651-MD	17	White	1.2 – 1.5	45	125
AST01652-MD	18	Green	0.9 – 1.3	45	90
AST01653-MD	20	Pink	0.8 – 1.1	32	60
AST01654-MD	22	Blue	0.6 – 0.9	25	36
AST01655-MD	24	Yellow	0.5 – 0.7	19	20
AST01656-MD	26	Violet	0.4 – 0.6	19	13

## Packing List

INNER CARTON QTY.	OUTER CARTON QTY.	OUTER CARTON BOX						CBM PER MASTER CARTON M3	QUANTITY PER 20 FT. CONTAINER (29,000 CBM)	QUANTITY PER 40 FT. CONTAINER (58,000 CBM)	QUANTITY PER 40 FT. HC CONTAINER (65,000 CBM)
		VOLUME (CM)			WEIGHT (KG)						
		L	W	H	VOL	NET	GROSS				
100	1000	69.8	32	17.8	6.626	4.62	5.80	0.04	725,000	1,460,000	1,630,000

Also available –

1. PUR / FEP Catheter
  - Catheter with radio-opaque stripes
  - Hydrophobic bacteria retention filter.

## Needle:

Siliconised and ground stainless steel needle with ultra-sharp triple facet bevel for smooth and painless venipuncture.



## Catheter:

Made of kink resistant and biocompatible PTFE, with extremely smooth inner and outer surface to ensure easy venipuncture with minimum trauma.



# Pluscan Alpha



I.V. Cannula (Pluscan Alpha) without injection valve & wings has been designed to prevent with high risk from additional opening in the cannula. It has Long & broad needle hub for perfect grip and control.

## Specification

ASTO1657-MD  
ASTO1658-MD  
ASTO1659-MD  
ASTO1660-MD  
ASTO1661-MD  
ASTO1662-MD  
ASTO1663-MD  
ASTO1664-MD

GAUGE	COLOUR	INT – EXT DIA (IN MM)	LENGTH (IN MM)	WATER FLOW (ML/MIN.)
14	Orange	1.6 – 2.1	45	240
16	Grey	1.4 – 1.8	45	180
17	White	1.2 – 1.5	45	125
18	Green	0.9 – 1.3	45	90
20	Pink	0.8 – 1.1	32	60
22	Blue	0.6 – 0.9	25	36
24	Yellow	0.5 – 0.7	19	20
26	Violet	0.4 – 0.6	19	13

## Needle:

Siliconised and ground stainless steel needle with ultra-sharp triple facet bevel for smooth and painless venipuncture.



## Catheter:

Made of kink resistant and biocompatible PTFE, with extremely smooth inner and outer surface to ensure easy venipuncture with minimum trauma.

## Packing List

INNER CARTON QTY.	OUTER CARTON QTY.	OUTER CARTON BOX						CBM PER EXPORT CARTON	QUANTITY PER 20 FT. CONTAINER (29,000 CBM)	QUANTITY PER 40 FT. CONTAINER (58,000 CBM)	QUANTITY PER 40 FT. HC CONTAINER (65,000 CBM)
		VOLUME (CM)			WEIGHT (KG)						
		L	W	H	VOL.	NET	GROSS				
100	1000	49.5	29.2	17.8	4,290	3,560	4,830	0.0256	1,130,000	2,250,000	2,530,000

Also available –

### 1. PUR / FEP Catheter

Catheter with radio-opaque stripes  
Hydrophobic bacteria retention filter.



## Plusvein



I.V. Cannula (Plusvein) with injection valve & wings has been designed to provide extra medication, through flip type injection port, without pain.

### Specification

AST01666-MD

AST01667-MD

AST01668-MD

AST01669-MD

AST01670-MD

AST01671-MD

AST01672-MD

AST01673-MD

GAUGE	COLOUR	INT – EXT DIA (IN MM)	LENGTH (IN MM)	WATER FLOW (ML/MIN.)
14	Orange	1.6 – 2.1	45	240
16	Grey	1.4 – 1.8	45	180
17	White	1.2 – 1.5	45	125
18	Green	0.9 – 1.3	45	90
20	Pink	0.8 – 1.1	32	60
22	Blue	0.6 – 0.9	25	36
24	Yellow	0.5 – 0.7	19	20
26	Violet	0.4 – 0.6	19	13

### Needle:

Siliconised and ground stainless steel needle with ultra-sharp triple facet bevel for smooth and painless venipuncture.



### Catheter:

Made of kink resistant and biocompatible PTFE, with extremely smooth inner and outer surface to ensure easy venipuncture with minimum trauma.

### Packing List

INNER CARTON QTY.	OUTER CARTON QTY.	OUTER CARTON BOX						CBM PER EXPORT CARTON	QUANTITY PER 20 FT. CONTAINER (29,000 CBM)	QUANTITY PER 40 FT. CONTAINER (58,000 CBM)	QUANTITY PER 40 FT. HC CONTAINER (65,000 CBM)
		VOLUME (CM)			WEIGHT (KG)						
		L	W	H	VOL	NET	GROSS				
100	1000	69.8	32	17.8	6.63	5.12	6.32	0.04	725,000	1,460,000	1,630,000

Also available –

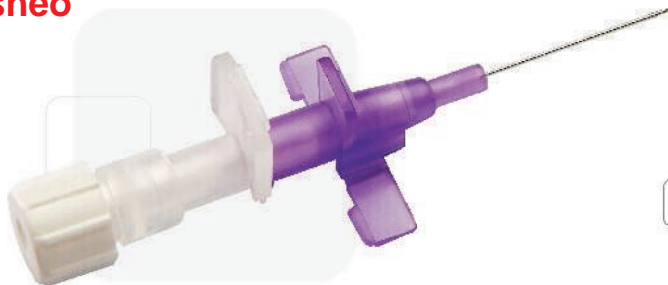
1. PUR / FEP Catheter

~ Catheter with radio-opaque stripes

Hydrophobic bacteria retention filter.



# Plusneo



I.V. Cannula (Plusneo) without injection valve & with small wings has been designed specially for soft & small vein cannulation (for paediatric use). It is available in 24G & 26G.

## Specification

	GAUGE	COLOUR	INT – EXT DIA (IN MM)	LENGTH (IN MM)	WATER FLOW (ML/MIN.)
AST01674-MD	24	Yellow	0.5-0.7	19	20
AST01675-MD	26	Violet	0.4-0.6	19	13

## Packing List

	INNER CARTON QTY.	OUTER CARTON QTY.	OUTER CARTON BOX						CBM PER OUTER CARTON	QUANTITY PER 20 FT. CONTAINER (29,000 CBM)	QUANTITY PER 40 FT. CONTAINER (58,000 CBM)	QUANTITY PER 40 FT. HC CONTAINER (65,000 CBM)
			VOLUME (CM)			WEIGHT (KG)						
			L	W	H	VOL.	NET	GROSS				
AST01676-MD	100	1000	59.8	32	20	6.63	3.70	4.91	0.038	763,000	1,526,000	1,710,000

Also available –

1. PUR / FEP Catheter
2. Catheter with radio-opaque stripes
3. Hydrophobic bacteria retention filter.

## Needle:

Siliconised and ground stainless steel needle with ultra-sharp triple facet bevel for smooth and painless venipuncture.



## Catheter:

Made of kink resistant and biocompatible PTFE, with extremely smooth inner and outer surface to ensure easy venipuncture with minimum trauma.



## Pluscath



I.V. Cannula (Pluscath) with better transparent flashback chamber than standard I.V. Cannula. It has Catheter Body with small diameter to reduce kinking. It is provided with bacteria retention hydrophobic filter.

### Specification

AST01677-MD  
AST01678-MD  
AST01679-MD  
AST01680-MD  
AST01681-MD  
AST01682-MD  
AST01683-MD  
AST01684-MD

GAUGE	COLOUR	INT – EXT DIA (IN MM)	LENGTH (IN MM)	WATER FLOW (ML/MIN.)
14	Orange	1.6 – 2.1	45	240
16	Grey	1.4 – 1.8	45	180
17	White	1.2 – 1.5	45	125
18	Green	0.9 – 1.3	45	90
20	Pink	0.8 – 1.1	32	60
22	Blue	0.6 – 0.9	25	36
24	Yellow	0.5 – 0.7	19	20
26	Violet	0.4 – 0.6	19	13

### Needle:

Siliconised and ground stainless steel needle with ultra-sharp triple facet bevel for smooth and painless venipuncture.



### Catheter:

Made of kink resistant and biocompatible PTFE, with extremely smooth inner and outer surface to ensure easy venipuncture with minimum trauma.

### Packing List

INNER CARTON QTY.	OUTER CARTON QTY.	OUTER CARTON BOX						CBM PER EXPORT CARTON	QUANTITY PER 20 FT. CONTAINER (29,000 CBM)	QUANTITY PER 40 FT. CONTAINER (58,000 CBM)	QUANTITY PER 40 FT. HC CONTAINER (65,000 CBM)
		VOLUME (CM)			WEIGHT (KG)						
		L	W	H	VOL	NET	GROSS				
100	1000	49.5	29.2	17.8	4.290	3.560	4.830	0.0256	1,130,000	2,250,000	2,530,000

Also available –  
PUR / FEP Catheter  
Catheter with radio-opaque stripes.





# Plusway



Key Features:

- Universal 6% taper on luer allows connection with a wide variety of standard medical devices
- Available in three colours; Blue (for venous), Red (for arterial) & White (for special indication)
- Fully transparent body made of medical – grade biocompatible polycarbonate allows visualization of flow of fluids
- Tested for smooth, laminar and leak-proof flow up to 3 bar (43.5psi) pressure
- Lipid resistant stop cock can also be offered on special request.

Packing List

COLOUR	INNER CARTON QTY.	OUTER CARTON QTY.	OUTER CARTON BOX						CBM PER EXPORT CARTON	QUANTITY PER 20 FT. CONTAINER (29.000 CBM)	QUANTITY PER 40 FT. CONTAINER (58.000 CBM)	QUANTITY PER 40 FT. HC CONTAINER (65.000 CBM)
			VOLUME (CM)			WEIGHT (KG)						
			L	W	H	VOL	NET	GROSS				
Blue / Red / White	50	500	62	29	18	5.39	2.700	3.720	0.032	453,000	906,000	1,015,000



## Plusway-ET



ASTD1686-MD



Three Way Stop Cock with Extension tube is to be used with any of the various infusion or transfusion devices in order to allow for attachment with any special or general purpose medical device, in order to improve ease of use also to provide an alternative channel for introduction of medicine to the patient.

### Key Features:

- Ideal for administering contrast medium / fluids during imaging procedures that require patient to enter a gantry; e.g. CT and MRI Scan
- High quality kink-resistant tubing with smooth inner surfaces for laminar, non-turbulent flow

### Specifications

DESCRIPTION	SPECIFIED
Effective Tube Length	10cm – 250cm
Tube O.D.	4.0 mm
Tube I.D.	2.7 mm

### Packing List

SIZES	OUTER CARTON QTY.	OUTER CARTON BOX				CBM PER OUTER CARTON	QUANTITY PER 20 FT. CONTAINER (29,000 CBM)	QUANTITY PER 40 FT. CONTAINER (58,000 CBM)	QUANTITY PER 40 FT. HC CONTAINER (65,000 CBM)
		VOLUME (CM)			WEIGHT (KG)				
		L	W	H	VOL.				
10 cm., 50 cm., 100 cm.	300	39	29	42	7.92	0.047	185,000	370,000	414,000
150 cm., 200 cm., 250 cm.	200	39	29	42	7.92	0.047	123,000	246,000	276,000





## Injection Stopper



AST01687-MD

Injection Stopper is an auxiliary product that is used in conjunction with some other product during infusion therapy. This stopper has two fold function: to serve as a protective stopper for any standard “female luer” and to provide a port for Drug administration into the cannulae without unscrew it.

### Packing List

COLOURS	DESC.	INNER CARTON QTY.	OUTER CARTON QTY.	OUTER CARTON BOX						CBM PER OUTER CARTON	QUANTITY PER 20 FT. CONTAINER	QUANTITY PER 40 FT. CONTAINER	QUANTITY PER 40 FT. H CONTAINER
				VOLUME (CM)			WEIGHT (KG)						
				L	W	H	VOL.	NET	GROSS				
Yellow / Transparent	Latex / Latex Free	250	2500	50	29	18	3.795	3.5	4.9	0.0288	3100000	6300000	7100000

## Male / Female Luer Lock



AST01688-MD

It is a dual end male/female luer lock. Easy to apply and remove. Ideal for use in emergency room & Operating room because it saves time required for identification of male/female stopper.

### Packing List

INNER CARTON QTY.	OUTER CARTON QTY.	OUTER CARTON BOX						CBM PER OUTER CARTON	QUANTITY PER 20 FT. CONTAINER (30.000 CBM)	QUANTITY PER 40 FT. CONTAINER (58.000 CBM)	QUANTITY PER 40 FT. HC CONTAINER (65.000 CBM)
		VOLUME (CM)			WEIGHT (KG)						
		L	W	H	VOL.	NET	GROSS				
250	2500	50	29	18	3.765	3.5	4.9	0.0288	3100000	6300000	7100000





Latex Exam Non sterile Gloves

Latex Sterile Exam Gloves

Nitrile Non-sterile Exam Gloves

Nitrile Sterile Exam Gloves



## Examination Gloves ASTD1689-MRK

**Latex & Nitrile (Latex Free)**

**Powdered & Powder Free**

- Prevents infection from patients with contagious diseases through their body fluids or physical contact.
- Protect medicare professionals, healthcare worker (HCW) from contaminated articles and liquids.

### Special Features

- Quantity Assurance : 100 pcs. are packed in each box with counting.
- AQL 1.5 Assurance : Accepted Quality Limit of 1.5 is followed.
- Weight Assurance : 5.1 to 5.5 gms per pc (medium size).
- Shelf Life Assurance : Antioxidant is added to increase the shelf life of Gloves.

*Each box is shrink wrapped so that all assurances are guaranteed.*



<b>Size Available</b>	: Extra Small / Small / Medium / Large / Extra Large
<b>Packaging</b>	: Latex Examination Non Sterile
	: 100 Pcs of Non Sterile Gloves in a dispenser,
	Latex Exam. - 20 dispenser per shipper carton
	Nitrile Exam. - 10 dispenser per shipper carton

Also available Sterile piece pack & pair pack

**Protection for everybody.**





## Sterile Surgical Gloves

Powdered & Powder Free **AST01690-MRK**

Sharing the same goal of continual  
improvement Sterile  
Surgical Gloves now got different

Introducing

Gloves with TCS Technology

Gloves is not just five fingers it must be

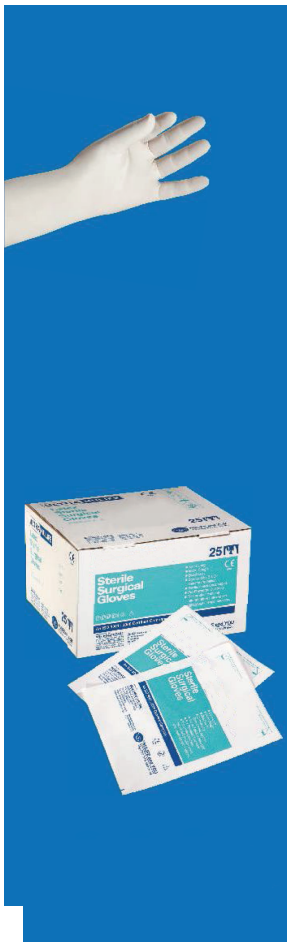
- T - Tough at Cuff for better donning and gown gripping
- C - Comfortable at palm to avoid strain during surgical procedure
- S - Sensitive at finger for natural feel and better instrument grip



<b>Size Available</b>	: 5.5 to 8.5
<b>Packaging</b>	: 50 Pairs in a box, 10 boxes per shipper carton
<b>Available in tear open &amp; peel open pack</b>	
<b>Also available Nonsterile Surgical Gloves ( Powder &amp; Powder Free)</b>	

Use & feel the Difference





## Beadless Gloves AST01691-MRK

### Powdered & Powder Free

- Beadless cuff for improved gown grip and to prevent roll down.
- Micro rough surface for better instrument grip during operation.
- Reinforced cuff area to prevent tearing while wearing
- Exceptional dexterity, enhances comfort and flexibility
- Optimum moisture content cut down risk of electro surgery shocks.
- Packed in peel open pouch for easy peelability and to ensure sterile presentation of inner wallet.

<b>Size Available</b>	: 5.5 to 8.5
<b>Packaging</b>	: 40 Pairs in a box, 6 boxes per shipper carton
<b>Specially designed for Surgeons and Orthopedics</b>	

For Ultimate Safety, Sensitivity & Comfort





## Foley Balloon Catheter AST01692-MRK

**Silicone Elastomer Coated**

- Blockage free balloon
- Plastic non-return valve
- Elliptical side eye
- Maximum fluid flow
- Trauma free catheterization
- Colour coded valve sleeve
- Packed in peel open pouch
- Also available with soft valve



Size Available	: 2 way (3-5cc) 8-10 FG (Paediatric)
	: 2 way (5-15cc/30-50cc) 12-24 FG
	: 3 way (30-50cc) 16-24 FG
Packaging	: 2 way - 20 Pcs in a box, 20 boxes per shipper carton
	: 3 way - 10 Pcs in a box, 20 boxes per shipper carton
Widely used by Urologists, Gynaecologists and Surgeons	

Comfortable & easy to use





## Microsurgery Gloves ASTO1693-MRK

**Powder Free**

- Thinner than normal surgical gloves.
- Superior sensitivity in the fingertips during micro and ophthalmic surgeries.
- Optimum strength to ensure basic barrier protection.
- Provide natural superior "feel" and safety.
- Unique light brown colour which minimizes eye-strain in the operation theater.

<b>Size Available</b>	: 5.5 to 8.5
<b>Packaging</b>	: 40 Pairs in a box, 6 boxes per shipper carton
<b>Specially designed for Eye Surgeons, Neuro Surgeons and Cardiac Surgeons</b>	

For natural sensitivity during surgery







## Orthopedic Gloves AST01694-MRK

### Powder Free

- Provides extra protection during complicated or rigorous orthopedic surgery, particularly against bone fragments and other surgical debris.
- Unique brown colour minimize eyestrain in the operation theater, providing a good contrast to light coloured organs and aiding visibility.
- Specially designed to retain tactile sensitivity without compromising on strength by giving the gloves high strength to thickness ratio.
- Anatomical design to reduce fatigue during extended surgery.

<b>Size Available</b>	: 5.5 to 8.5
<b>Packaging</b>	: 40 Pairs in a box, 6 boxes per shipper carton
<b>Specially designed for Orthopedics</b>	

Tougher gloves for rigorous procedures





## Super Protection AST01695-MRK Double Gloves Pair

### Powder Free

- Nulife Double Gloves pair is specially designed to provide 2 complete sets of correct size surgical gloves in one convenient package.
- The inner glove is one size larger than the outer gloves for users comfort.
- The inner gloves is of different colour than the outer glove so perforation in the outer glove can be immediately noticed by the colour change due to liquid seeping into the gap between two layers through the outer glove perforation.

<b>Size Available</b>	5.5 to 8
<b>Packaging</b>	20 Pairs in a box, 6 boxes per shipper carton
<b>Specially designed for Surgeons and Doctors handling HIV positive patients</b>	

For Super Protection of the saviour





## Elbowlength Gynaecology Procedure Gloves ASTO1696-MRK

### **Powdered & Powder Free**

- Blood Contact with the skin and mucous membranes of doctors occurs in 25% of vaginal deliveries and 35% of cesarean section.
- Elbow Length Gloves protect the doctors from significant blood and amniotic fluid contamination.
- We suggest to use powder free Gloves as:  
The gloves powder can enter the Patient's body during surgery, which may trigger an inflammatory response by the immune system, leading to the formation of fibrous bands and post-operative adhesions.

<b>Size Available</b>	: Small, Medium & Large available in 14", 16" 18", & 20" length
<b>Packaging</b>	: 50 Pairs in a box, 8 boxes per shipper carton
<b>Specially designed for Gynaecologists</b> Also Available non sterile	

The Strength of safety is in length of gloves





(Blister Pack)

*Introducing  
Shortly*  
**OT Kit**



## High Infection Kit AST01697-MRK

● Disposable ● Sterile ● Single Use

### CONTENTS:

- |  |               |
|--|---------------|
| <b>1. Proto Gown</b> (Fluid proof from front, back and sleeves)  | <b>1 pc</b>   |
| <b>2. Hood Cap</b> (Hood cap covers full head and ears).   | <b>1 pc</b>   |
| <b>3. Surgeon's Mask</b> (3 ply face mask having middle layer with bacteria filter to give better protection.) | <b>1 pc</b>   |
| <b>4. Shoe Legging</b> (Shoe legging provided upto knee length.)   | <b>1 Pair</b> |
| <b>5. Double Gloves Pair</b> (To reduce risk of cross infection)   | <b>1 Pair</b> |
| <b>6. PE Sheet</b> (PE sheet for draping the OT table 150 cm x 140 cm)   | <b>1 pc</b>   |
| <b>7. Goggles</b> (Single piece plastic, side moulded goggle with smooth edges for better protection.)         | <b>1 pc</b>   |
| <b>8. Carry Bag</b> (For used items disposal plastic carry bag provided.)                                      | <b>1 pc</b>   |

Recommended to use while doing procedure like examining, treating, operating etc.

### Packaging

: All contents in sterile tray. Each tray individually packed in a box - 60 boxes per shipping carton

For complete protection from head to toe





## U-Drain AST01698-MRK

### Male Incontinence Device

- Comfortable, easy-to-use, one piece catheter
- Made of soft comfortable rubber
- Provide snug fit without construction
- Flexible enough to accommodate changes in penis size during use
- Elastic foam tape provided to hold catheter and prevent slipping

<b>Size Available</b>	: Extra Small, Small, Medium, Large, Extra Large
<b>Packaging</b>	: 50 pcs in a box, 12 boxes per shipper carton
<b>Widely used by Urologists and Surgeons</b>	

## Urine Drainage Bag AST01699-MRK

### With Non-Return valve and Drainage outlet

- Capacity - 2000 ml. with measuring volume available from 25ml.
- Provided with Non-return valve
- Double sealing on boundary to prevent leakage
- Closure with connector thread.
- Wider bag and double scale

<b>Packaging</b>	: Each pc in a sterile poly bag 400 bags per shipper carton
<b>Widely used by Urologist, Gynecologist and surgeons</b>	

For Complete Convenience





## Blood Transfusion Set (BT Set) AST01700-MRK

Packaging	:Each pc in a sterile tear open poly pouch
	350 pouches per shipper carton
Widely Used by all Doctors	

## Infusion Set (I.V. set) AST01701-MRK

Packaging	:Each pc in a sterile tear open poly pouch
	350 pouches per shipper carton
Widely Used by all Doctors	

## Scalp Vein Set AST01702-MRK

Packaging	:Each pc in a sterile blister peel open pouch
	50 pcs in one box, 30 boxes per shipper carton
Widely Used by all Doctors	

Wide Range for every use







## Cord Clamp AST01703-MRK

Packaging	:Each pc in a sterile blister peel open pouch
	50 pcs in one box, 30 boxes per shipper carton
Widely Used by all Doctors	



## Mucus Extractor AST01704-MRK

Packaging	:Each pc in a sterile poly pouch
	250 pouches per shipper carton
Widely Used by all Doctors	



## Measured Volume Set AST01705-MRK (Paediatric Set)

Packaging	:Each pc in a sterile poly pouch
	150 pouches per shipper carton
Widely Used by all Doctors	



Committed to healthcare in surgical way



## AV Fistula Needle AST01706-MRK

### Usage

For the purpose of dialysis.

### Features

- Flexible wings for proper fixation.
- Safety Clamp available.
- Soft, Frosted & kink resistant PVC tubing
- Standard 6% taper

### Packaging

: 50 pc inner, 500 pc outer  
Outer box - 670X460X280 mm, weight 8.95 kg

## Flow Regulator AST01707-MRK

### Usage

Alternative for Burette or Measure Volume set.

### Features

- Precise flow rate & control of fluids
- With "Y" injection port (Latex Free) for intermittent medication
- Soft, Frosted & kink resistant PVC tubing

### Packaging

: 25 pcs pouch, 100 pc box-  
430X400X490 mm, weight 4 kg

## Combi Luer Lock AST01708-MRK

### Usage

To block the infusion/transfusion devices

### Features

- Male and female lures combined in one device.
- Single universal closure device for all types access tubing.
- Syringe stands upright with cap
- Also works as a catheter cut off.

### Packaging

: 250 pcs inner box, 2500  
outer- 538X288X178 mm, weight 6 kg







## I. V. Cannula ASTO1709-MRK

- Specially tapered ptfе catheter is a precision formed to perfection.
- Kink resistant for easy vein puncture with minimum trauma.
- Cannulas have a imported needle and luer lock plug.
- Sterile, disposable and non-pyrogenic.

**Size Available** : 16G-24G

**Packaging** : 100 pcs in one box, 10 box per shipper carton

**Widely used by all Doctors**

## 3 Way Stopcock ASTO1710-MRK

- Accurate drug administration.
- Can withstand the pressure in normal procedures.
- Arrow indication marks on the tap indicates direction of flow.
- Leak proof up to three bars.

**Packaging** : 50 pcs in a box, 10 boxes per shipper carton

**Widely used by all Doctors**

Wide range for every use





## Gauze Roll AST01711-MRK

### Features:

- Simple woven strip of material
- Cotton cloth of plain weave, bleached good white
- Highly absorbent
- Manufactured as per B/P Standard

### Usage :

- Used as gauze pads for packing open wounds
- Used as direct wound dressing
- Soft highly absorbent pad suitable for most purpose

### Packaging

: Packed in different size & length as per the requirements of the customers

## Dressing Material AST01711-MRK

### Plaster of Paris Bandage

### Features :

- Consistent Quality - Stringent quality standard applied to the raw materials and also during the manufacturing process itself
- Excellent Cast Strength - High as well as uniform impregnation of gypsum throughout the bandage. Higher retention of powder on dry or wet bandage - minimum powder loss
- Better Creamy Feel : For excellent molding and consistent layer to layer bonding

### Usage :

All types of fractures, Luxations and subluxations for correction and prevention of soft tissue, injuries, quick healing of burns and deformities.

### Packaging

: Each bandage is sealed in moisture proof plastic pouch and five bandages in a plastic poly bag and then ten bandages in a inner, 12 inner in one corrugated box



## Elastic Adhesive Bandage

ASTO1712-MRK

### Features :

- Better Elasticity : 70%to90% higher stretchability Provides adequate compression and support  
Greater mobility and comfort without rigidity  
Improves wound approximation.
- Uniform Porosity : Minimum chances of skin maceration
- Hypo Allergenic Adhesives Mass : Excellent adhesion and normal ventilation to skin
- Skin Friendly Bandage : Backing material with matt viscose and twisted cotton yarn and fast edges
- Special Transparent Interliner : Ensure easy unwinding and usage to the last inch

### Usage :

Useful in all areas of dressing

Acts as a mild antiseptic, astringent & anti - inflammatory. Provides pressure support.

### Packaging

: Each bandage is in a plastic container. Ten bandages in a inner & eight inner in one corrugated box.

## Cotton Crepe Bandage

ASTO1713-MRK

### Features:

- High Twist Cotton Fibres : Uniform compression with durable and firm support Highly comfortable
- Extremely Durable : Regains its elasticity even after several washes
- Skin Friendly : Fast edges, Comfortable to wear, Smooth and tight grip

### Usage :

Highly dependable pressure support dressing for : painful joint, Ulcers, Burns, Sprains, after cast removal, Skin Grafting.

### Packaging

: Each bandage is in a plastic container. Ten bandages in a inner & eight inner in one corrugated box.



## I.V. Fixator **AST01714-MRK**

### Features:

- Has an incision in the middle
- At the end of the incision is a pad made from soft viscose, which doesn't adhere to the point to injection.
- Pad is made of a very soft and very absorbent viscose material.
- The adhesive backing behind is made from non woven or PU material.

### Usage :

- Fastens the tube firmly to the skin.
- Allows air and humidity to pass easily.

### Packaging

: Packed individually and further in a box pack

## Tulle Dressing **AST01715-MRK**

### Features :

- A non adherent open mesh dressing made using Leno gauze of 100% cotton impregnated with ointment of antiseptic & sterilized by gamma irradiation.
- Soothing and Non-Adherent
- Allows the wound to drain freely into an absorbent secondary bandage
- Ideal for use with topically acting antiseptic / antibiotic medication

### Usage :

- For dressing in conditions like wounds, burns, ulcers & skin grafts

### Packaging

: 10x10cm. Pack of 10 Dressings  
10 x 10cm. Tin of 80 Dressing



## Gauze Swabs ASTO1716-MRK

### Features :

- High absorbent capacity
- Applicable for all types of wounds
- Can be customized with or without X-ray threads
- It can supply wound an aerobic environment with strong absorbtivity, good ventilation, anti inflammation, detumescence, hamostasis. It promotes wounds healing.

### Usage :

Used as direct wound dressing.

### Packaging

: Packed in different size & length as per the requirement of the customers



## Zinc Oxide Adhesive ASTO1717-MRK

### Features:

- Strong adhesive property, without any residue.
- Fixing firmly, strong suitability and convenient to apply
- Strong tensile strength
- The fabric used in this tape is rayon or viscose, which is much stronger then cotton.

### Usage :

- Ideal for fixing dressing and light duct at surgery.
- Sport protection, labour protection and industrial packaging

### Packaging

: Packed in different size & length as per the requirements of the customers





## – PV Solution

### Antiseptic Paint

AST01718-MRK

Composition : Povidone – Iodine IP 5 % w/v,  
7.5 % w/v & 10 % w/v

#### Features :

1. Pre- operative and post – operative irrigation of the operative site and non– surgical wounds.
2. Effective against second and third degree burns.
3. Treatment of bacterial and mycotic skin infections, protective antiseptic film under dressings, bandages and plaster casts.

#### Packaging

: Available in 100 ml, 500 ml 1liter, 2.5 liter and 5 liter

## – PVP Scrub

### Surgical Scrub

AST01719-MRK

Composition : Povidone – Iodine IP 5 % w/v,  
7.5 % w/v & 10 % w/v

#### Features :

1. Effective against bacteria, fungi, yeasts, protozoa and viruses.
2. Pre – operative scrubbing and washing of hands by surgeons and theatre staff.
3. Post – operative cleansing at operative site.

#### Packaging

: Available in 100 ml, 500 ml, 1liter, 2.5 liter and 5 liter

## – Rapid

AST01720-MRK

### Skin Antiseptic for Prepping and Post Closure of Skin

Composition : 2 – Propanol IP 63 % w/w,  
Benzalkonium Chloride 0.025% w/w

#### Features :

1. Excellent cleansing and de – fatting effects.
2. Effective against microbes, fungi, viruses, bacteria.
3. Rapid and effective disinfection of skin flora, deep penetration inhibits intra – operative bacterial growth in the incision folds of the skin

#### Packaging

: Available in 100 ml, 500 ml, and 5 liter





## Piston Type Nebulizers **ASTO1721-MRK**

### Salient Features:

- Free Travel Bag
- Provided with complete set of accessories
- One Year Warranty for domestic sales
- Exported to Europe

### Technical Data:

- Very powerful and reliable piston type nebulizer for professional and intensive use
- Equipped with safety fuse
- Type of compressor: Piston
- Pressure: Max. 2.5 bar
- Air flow: Min. 8 LPM
- Noise at 1 meter: 55dBA
- Operating time: 60 min. ON 30 min. OFF
- Particle sizes: 0.5 - 5microns
- Power supply: (215-240v AC, 50-60Hz)  
(110-130v AC, 50-60Hz)
- Power consumption: 90 watt maximum
- Size Nuneb Pro: 344mm x 189mm x 120mm
- Size Handyneb: 170mm x 150mm x 110mm

<b>Packaging</b>	: Each machine in a travel bag and box, with kit
	Nuneb Pro - 8 machines per shipper carton
	Handyneb - 12 machines per shipper carton

**Widely used by Chest Physicians, Paediatricians & Nursing Homes**

\*Specification subject to change without notice

**Breathing made easier...**



## Needle Burner & Syringe Destroyer AST01722-MRK

- Handy Compact Desktop Machine to burn and destroy used Needle and cut Syringe hub..
- Portable, safe and cost effective system which creates a safe environment for Doctors, Nurses, Pathologists, Healthcare Professionals and Patients.
- Shock-proof, fuse protection.
- Available with replaceable cutter and without cutter i.e. NEEDLE BURNER.
- 60 W Machine for 19-31 gauge needles
- 100 W Machine for 14-18 gauge needles

<b>Packaging</b>	: Each machine in a box
	: 60 W machine - 6 machines per shipper carton
	: 100 W machine - 4 machines per shipper carton

**Widely used by Hospitals, Nursing Homes , Clinics, Pathology Labs and General Physicians**

It is important to use disposable needle.  
It is more important to destroy them after use.





ASTO1724-MRK



#### For BED SORE'S UPTO STAGE 1 **ASTO1723-MRK**

Continuously adjustable pressure Silent less than 42 dba at 1 meter  
External filter & fuses for easy replacement Durable compressor with  
long life polyurethane diaphragms Attractive pleasing & very compact  
design

**Dimensions :** 196 mm l × 134 mm w × 85 mm h.  
**Weight:** 1.4 kgs. Voltage ( power supply ) :  
100 v ~ 110 v / 60 hz , 220 v ~ 230 v / 50 hz .

**Power consumption:** 8 watts  
**Air flow rate:** 4 - 6 l / max  
**Maximum pressure:** 130 mm hg  
**Cycle time:** 5 minutes  
Bubble mattress size 7(h) ( 86(h) ) ( 93(q'd) ) cm with extra tuck in  
material on each side, pvc 0.3 mm min, en 71 grade

The anti-decubitus air pump & mattress system are designed to use  
with pump's air output- input cycle mattress air channel is inflated &  
deflated automatically in every 5 minutes to shift pressure on patient  
back and prevent the likelihood of decubitus and facilitate the healing  
of sores already incurred

<b>Packaging</b>	: Each in polybag / 1 pc in box / 6 boxes in one e export carton / 72 * 30 * 42 cm / 27.8 / 29.8 kgs
------------------	---

- Portable, Disposable, point of use needle hub destruction device  
that cuts the syringe needle at the hub and encloses the needle  
securely in the hard plastic container compatible with standard syringe  
up to 5ml whose tip complies with ISO 7886.

- Container volume 0.3 liter +/-5%
- Capacity : Cuts and hold securely 400-600 needles.
- Separates needles and syringes at the point of use.
- Blade Life : Should cut at minimum of 700 hubs
- Material of container acceptable for incineration.
- Puncture resistant container with clearly designated fill line.
- Leak proof when locked.
- Easy to dispose of via incineration or pit burial.

<b>Packaging</b>	: Carton Size : 51x46x34 cm, Quantity in : 80 pcs One Carton Gross Weight : 14Kgs.
------------------	---



ASTRO 1725-MBK



ASTRO 1730-MBK



ASTRO 1727-MBK



### Disinfectant Concentrate for Heat – Sensitive and Heat – Resistant Instruments.

**Composition :** 1.6 Dihydroxy, 2.5 Dioxahexane, 8.2% w/w Glutaraldehyde 5% w/w, Polumethanol Urea Derivative 17.6% w/w Rust Inhibitors

#### Features :

1. Recommended as a cold sterilizer for thermolabile and thermostatic instruments including anaesthetic accessories
2. Life of 15 days after preparation
3. Use in 5% or 10% dilution.

**Packaging** : Available in 500 ml and 5 liter

### Povidone Iodine Germicidal Gargle

**Composition :** Povidone Iodine IP 1% w/v, Absolute Alcohol IP 8.38%v/v

#### Features :

1. Used as a mouth wash for antiseptis of mucosal or gingival surfaces as an adjunct in oral, surgical and dental practice

**Packaging** : Available in 100 ml

### Chlorhexidine Mouthwash BP Antiseptic Antiplaque

**Composition :** Chlorhexidine Gluconate IP 0.2% w/v solution in mint flavour

#### Features :

1. Covers wide range of microorganisms including gram – positive , gram – negative bacteria.
2. Highly effective in control and prevention of dental caries.
3. Significantly reduces bacterial count in 5 minutes after rinse.
4. Controls gingival inflammation and bleeding

**Packaging** : Available in 50 ml, 100 ml, 1 liter and 5 liter



ASD11725-MBK



ASD11726-MBK



ASD11730-MBK



### Alcoholic Rub in Hand Disinfectant

**Composition :** 2- Propanol IP 45% w/w, 1- Propanol IP 30% w/w, Ethyl – hexadecyl- dimethyl Ammonium – ethylsulphate 0.2 % w/w. Skin protecting Substances

#### Features :

1. Contains skin protectors and is non toxic.
2. Recommended for hygienic hand disinfection, in between patients and procedures.
3. Behaves like a chemical glove.
4. Total protection even in perforated gloves.

**Packaging** : Available in 100 ml, 500 ml, 1 liter and 5 liter

### Surface Disinfectant Concentrate

**Composition :** Didecylidimethyl Ammonium Chloride Solution 7% w/w

#### Features :

1. Effective against microbes, fungi, viruses, bacteria.
2. Aldehyde – free and a pleasant leave behind fragrance.
3. Contains inbuilt " cleansors" for thorough cleansing.
4. Effective even at 0.1% dilution.

**Packaging** : Available in 500 ml

### Surface and Equipment Disinfectant

**Composition :** Ethanol IP 10% w/w , 2 – Propanol IP 9 % w/w , 1 – propanol 6% w/w

#### Features :

1. Aldehyde Free, quick acting, alcoholic disinfectant.
2. Recommended for disinfection of electronic equipments in OTs, ICU, ICU, Dental Clinics, HIV endangered.
3. Effective against bacteria and fungi even at 0.1%

**Packaging** : Available in 250 ml,



ASTH 731-MIX



ASTH 732-MIX



ASTH 733-MIX



## – G

### Disinfecting and Sterilizing Solution with Activator.

Composition : Alkaline Glutaraldehyde solution 2% w/v

#### Features :

1. For effective, safe and rapid disinfection and sterilization of endoscopes, surgical instruments, anaesthetic equipment, urological instruments, neonatal care instruments, dental instruments.
2. For disinfection immerse the instrument for 10 minutes in activated NuHospital – G solution.

**Packaging** : Available in 1 liter, 5 liter

## – H

### Surface Disinfectant

Composition : Benzalkonium Chloride Solution IP 4.5% v/v

#### Features :

1. Provides rapid bactericidal action.
2. Prevents Nosocomial infection.
3. Eradicates stubborn pathogens.
4. Brings down germ count in one mopping
5. Leaves behind a pleasant odour.

**Packaging** : Available in 100 ml, 500 ml, 1liter, 2.5 liter and 5 liter

## – OT

### Surface and Environment Disinfectant Concentrate

Composition : 1.6 Dihydroxy, 2.5 Dioxahexane, 11.2% w/w Glutaraldehyde 5% w/w, Benzalkonium Chloride 5% w/w Alkyl Urea Derivative 3% w/w

#### Features :

1. Used in high risk areas like ICU, ICCU, Oncology Departments, OTs, Non critical areas like wards, clinics, mobile units, laboratories, dental clinics.

**Packaging** : Available in 500 ml and 5 liter



ASDU 734 NEB



ASDU 733 NEB



### (Ultrasonic Nebulizer)

#### Safe for 32 hrs -usage

- |                                |  |
|--------------------------------|--|
| ● Method of nebulization       | Ultrasonic Vibration                             |
| ● Power supply                 | (215-240v Ac, 50-60Hz)<br>(110-130v Ac, 50-60Hz) |
| ● Class                        | □  |
| ● Power                        | 18W  |
| ● Oscillation frequency        | 2.5 Max.   |
| ● Nebulization rate            | 0.5 ml/min.                                      |
| ● Particle dimension           | 0.5 - 5 microns                                  |
| ● Medication cup max. capacity | 8 ml.  |
| ● Weight                       | 0.57 lbs / 260g approx.                          |
| ● Device dimensions            | 80 x 114 x 50 mm approx.                         |

### (Piston Type Nebulizer)

#### Safe for 12hrs. - usage

- |  |  |
|--|--|
| ● Very powerful and reliable piston type nebulizer |  |
| ● Equipped with safety fuse                        |  |
| ● Type of compressor                               | Piston   |
| ● Pressure   | Max. 2.5 bar                                     |
| ● Air flow   | Min. 8 LPM                                       |
| ● Noise at 1 meter                                 | 55dBa  |
| ● Operating time                                   | 60 min. ON 30 min. OFF                           |
| ● Particle sizes                                   | 0.5 - 5microns                                   |
| ● Power supply                                     | (215-240v Ac, 50-60Hz)<br>(110-130v Ac, 50-60Hz) |
| ● Power consumption                                | 90 watt maximum                                  |
| ● Weight   | 1.6 kg   |
| ● Size : Slimneb                                   | 140 mm x 104mm x 290mm                           |

\* Condition applies

<b>Packaging</b>	: Each machine in a box with kit 12machines per shipper carton
------------------	---

**Widely used by Chest Physicians, Paediatricians, Nursing Homes**

\*Specification subject to change without notice

**Breathing made easier...**



ASTD1730-MRK



ASTD1737-MRK



ASTD1738-MRK



### Antiseptic and Disinfectant Solution

Composition :Chlorohexidine Gluconate IP 0.3% v/v ,  
Cetrimide IP 0.6% w/v

#### Features :

1. Helps heal without hurting.
2. Ideal for first aid, personal Hygiene, minor cuts, bruises and wounds.
3. Dilute one part (by volume)  
Nubiocheck with three parts (by volume)  
of clean water

**Packaging** : Available in 100 ml flat, round & square 1 liter & 5 liter

## – HC

### Hospital Concentrate

Composition :Chlorohexidine Gluconate IP 7.5% v/v ,  
Cetrimide IP 15% w/v, Isopropyl alcohol 7% w/v

#### Features :

1. Cleansing and disinfection of equipment, furniture and fittings in the vicinity of patient
2. Aseptic management of burns.
3. Pre and prolonged storage of sterilized instruments and clinical thermometers.

**Packaging** : Available in 1liter and 5 liter

## – Scrub

### Antiseptic Cleansing Solution

Composition : Chlorohexidine Gluconate IP 4.0 % w/v

#### Features :

1. Complete Bactericidal, Fungicidal hand and body wash.
2. Used for hand disinfection prior to surgery, whole body antiseptis, and routine use in wards to reduce the cross – infection.

**Packaging** : Available in 100 ml and 500 ml





ASB01748-MBK

AVAILABLE COLORS



ASB01748-MBK



## Synthetic Casting Bandage

### Material:

Flexible Fiberglass material impregnated with polyurethane resin, activated by water.

### Properties:

Extremely strong. The Fiberglass material provides high stability and impact resistance.

### Application:

Immerse Nucast in tap water (approx. 20 degree-25 degree C / 68 degree - 77 degree F)

**Immersion Period :** 4-6 seconds

**Application Period :** 5 minutes

**Setting Time :** 3-5 minutes

**Fully weight bearing :** after 30 minutes Wear latex gloves

### Range Available:

Description	Size	Rolls/Inner	Outer carton
Nucast 2inch	5cm x 3.6m	10Rolls	10
Nucast 3inch	7.5cm x 3.6m	10 Rolls	10
Nucast 4inch	10cm x 3.6m	10 Rolls	10
Nucast 5inch	12.5cm x 3.6m	10 Rolls	10

## Synthetic Casting Pad

### Features:

- All strength, rigidity and durability that you expect
- Superior Lamination
- Excellent conform ability
- Improved finish for smoother and softer edges
- Excellent X-ray radiolucency
- Encourage greater patient compliance given their vibrant colours and patterns
- Easily removed with a regular cast saw blade
- Stretchability for excellent moulding

### Packaging

: Ten bandages in a inner box



## Medical Disposable Apparels (Non Woven)



**Round Cap**

ASTM1741-MBK



**Surgeon's Cap & Face Mask**

ASTM1742-MBK



**Shoe Cover**

ASTM1743-MBK

- Cost Effective
- Water Repellent
- Lint Free Material
- Supple And Non-irritating
- Strong Yet Light In Weight
- Purpose oriented designs & colours
- Superior protection against infection for patients and staff
- Superior Bacteria Filtration Efficiency (BFE)

Face Mask	: 2 Ply (Tie Loop/Type) - Bulk / Single 3 Ply (Tie Loop/Type) - Single
Cap	: Surgeons cap - Bulk / Single Round / Nurse cap - Bulk
Shoe Cover	: Pair of PE (Plastic) Shoe Cover - Bulk
Packaging	: 50 Units in a box 48 boxes per shipper carton

For optimum Surgical Safety