

Technical Specifications of Blood Bags

Code NO	Item Description	Specification
2094102	Single blood bags	<p>Blood collection bag Made up of DEHP (Di-2-ethyhexyl phthalate) plasticized PVC(polyvinylchloride), collapsible non- vented sterile containers complete with collecting tube for completely closed system to avoid the chances of contamination.</p> <p>Capacity: single blood bag 450 ml</p> <p>Design and shape:</p> <ol style="list-style-type: none"> 1. Flexible pre sterilized 2. Pyrogen free 3. Non toxic, non haemolytic, biocompatible material 4. No risk of contamination and air embolism(close system) with leaks proof seals 5. Slit on both sides of the bags should be enough to accommodate 5-10 ml test tubes. 6. The capacity of the bag should be enough to prevent any ballooning/ rupture of the bag from seam when it is filled up with the requisite volume of blood <p>Tubing of bag:</p> <ol style="list-style-type: none"> 1. Flixible non kinking 2. Non sticking 3. Transparent 4. Leak proof 5. The minimum length of tubing from primary bag to the needle should be 80 cm. 6. The tube should have mulitple printed ID/Segment number. The number should be legible and clear

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	<p>7. A clamp should be provided for closed system</p> <p>Needle:</p> <ol style="list-style-type: none">1. 16 guge ultra thin walled and straight2. Sharp, regular and smooth margins and beveled tip3. Rust proof4. Tightly fixed with hub coverd with sterile guard5. Hermetically sealed6. The needle should not separate from the tube at any point of time, especially while rempvng it from the vein for the donor safety <p>External port:</p> <ol style="list-style-type: none">1. Tamper proof and should not be re-capped2. Easily accessible <p>Package:</p> <ol style="list-style-type: none">1. Protective dual packaging (individual & Aluminium) eliminating microbial contamination on surface maintaining the contents of the bag2. Easy to handle <p>Anticoagulant and preservative solution:</p> <ol style="list-style-type: none">1. CPDA-1 The quantity of anticoagulant/(63 ml)2. Clear & colorless3. No discoloration on storage at room temperature4. Manufacturer to supply anticoagualnt qaulity check certificate <p>Label:</p> <ol style="list-style-type: none">1. Non peel- off2. Heat sealed/ pressure embossed labels3. Remain attached between room temperature to 4 °C with a transparent adhesive
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		<p>4. Date of manufacturing, date of expiry and lot number must mentioned on each bag</p> <p>5. The expiry date should be at least 2 years from the date of manufacturing of blood bags and residual shelf life at the time of supply should be at least $\frac{3}{4}$th of the total shelf life</p>
<p>2094402</p>	<p>Triple blood bags</p>	<p>Blood collection bag Made up of DEHP (Di-2-ethyhexyl phthalate) plasticized PVC(polyvinylchloride), collapsible non- vented sterile containers complete with collecting tube for completely closed system to avoid the chances of contamination.</p> <p>Capacity: Triple blood bag :</p> <p>Primary bag(450 ml)</p> <p>First satellite bag(of 300 ml capacity)</p> <p>Second satellite bag(of 300 ml capacity) for platelet storage for 5 days</p> <p>Design and shape:</p> <ol style="list-style-type: none"> 1. Flexible pre sterilized 2. Pyrogen free 3. Non toxic, non haemolytic, biocompatible material 4. No risk of contamination and air embolism(close system) with leaks proof seals 5. Slit on both sides of the bags should be enough to accommodate 5-10 ml test tubes. 6. The capacity of the bag should be enough to prevent any ballooning/ rupture of the bag from seam when it is filled up with the requisite volume of blood <p>Tubing of bag:</p>

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	<ol style="list-style-type: none">1. Flixible non kinking2. Non sticking3. Transparent4. Leak proof5. The minimum length of tubing from primary bag to the needle should be 80 cm.6. The tube should have mulitple printed ID/Segment number. The number should be legible and clear7. A clamp should be provided for closed system <p>Needle:</p> <ol style="list-style-type: none">1. 16 guge ultra thin walled and straight2. Sharp, regular and smooth margins and beveled tip3. Rust proof4. Tightly fixed with hub coverd with sterile guard5. Hermetically sealed6. The needle should not separate from the tube at any point of time, especially while rempving it from the vein for the donor safety <p>External port:</p> <ol style="list-style-type: none">1. Tamper proof and should not be re-capped2. Easily accessible <p>Package:</p> <ol style="list-style-type: none">1. Protective dual packaging (individual & Aluminium) eliminating microbial contamination on surface maintaining the contents of the bag2. Easy to handle <p>Anticoagulant and preservative solution:</p> <ol style="list-style-type: none">1. CPDA-1 The quantity of anticoagulant/(49 ml/63 ml)2. Clear & colorless
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		<p>3. No discoloration on storage at room temperature</p> <p>4. Manufacturer to supply anticoagulant quality check certificate</p> <p>Label:</p> <ol style="list-style-type: none"> 1. Non peel- off 2. Heat sealed/ pressure embossed labels 3. Remain attached between room temperature to 4 °C with a transparent adhesive 4. Date of manufacturing, date of expiry and lot number must mentioned on each bag 5. The expiry date should be at least 2 years from the date of manufacturing of blood bags and residual shelf life at the time of supply should be at least ³/₄th of the total shelf life <p>Resistance to distortion:</p> <p>Filled to normal capacity</p> <ul style="list-style-type: none"> • Bag shall withstand a acceleration of 5000g for 30 min at temperature 4°C to 24°C <p>Bag should be able to withstand temperature upto -80°C without breakage</p>
<p>2094501</p>	<p>Quadruple blood bags</p>	<p>Blood collection bag Made up of DEHP (Di-2-ethyhexyl phthalate) plasticized PVC (polyvinylchloride), collapsible non- vented sterile containers complete with collecting tube for completely closed system to avoid the chances of contamination.</p> <p>Capacity: Quadruple blood bags :</p> <ul style="list-style-type: none"> • Primary bag(350/450 ml) with top and top • First satellite bag(of 300 ml capacity containing 78 ml/ 100 ml additive solution)- for 42 days red cell storage

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		<ul style="list-style-type: none">• Second satellite bag(of 300 ml capacity) for platelet storage for 5 days• Third satellite bag (of 300 ml capacity) <p>Design and shape:</p> <ol style="list-style-type: none">1. Flexible pre sterilized2. Pyrogen free3. Non toxic, non haemolytic, biocompatible material4. No risk of contamination and air embolism(close system) with leaks proof seals5. Slit on both sides of the bags should be enough to accommodate 5-10 ml test tubes.6. The capacity of the bag should be enough to prevent any ballooning/ rupture of the bag from seam when it is filled up with the requisite volume of blood <p>Tubing of bag:</p> <ol style="list-style-type: none">1. Flexible non kinking2. Non sticking3. Transparent4. Leak proof5. The minimum length of tubing from primary bag to the needle should be 80 cm.6. The tube should have multiple printed ID/Segment number. The number should be legible and clear7. A clamp should be provided for closed system <p>Needle:</p> <ol style="list-style-type: none">1. 16 gage ultra thin walled and straight2. Sharp, regular and smooth margins and beveled tip3. Rust proof
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	<ol style="list-style-type: none">4. Tightly fixed with hub coverd with sterile guard5. Hermetically sealed6. The needle should not separate from the tube at any point of time, especially while rempving it from the vein for the donor safety <p>External port:</p> <ol style="list-style-type: none">1. Tamper proof and should not be re-capped2. Easily accessible <p>Package:</p> <ol style="list-style-type: none">1. Protective dual packaging (individual & Aluminium) eliminating microbial contamination on surface maintaining the contents of the bag2. Easy to handle <p>Anticoagulant and preservative solution:</p> <ol style="list-style-type: none">1. CPDA-1 The quantity of anticoagulant/(63 ml)2. Additive solution- first satellite bag (100 ml for 450ml blood bag)3. Clear & colorless4. No discoloration on storage at room temperature5. Manufacturer to supply anticoagualnt qaulity check certificate <p>Label:</p> <ol style="list-style-type: none">1. Non peel- off2. Heat sealed/ pressure embossed labels3. Remain attached between room temperature to 4 °C with a transparent adhesive4. Date of manufaturing, date of expiry and lot number must mentioned on each bag
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		<p>5. The expiry date should be at least 2 years from the date of manufacturing of blood bags and residual shelf life at the time of supply should be at least $\frac{3}{4}$th of the total shelf life</p> <p>Resistance to distortion:</p> <p>Filled to normal capacity</p> <ul style="list-style-type: none">• Bag shall withstand a acceleration of 5000g for 30 min at temperature 4°C to 24°C <p>Bag should be able to withstand temerature upto -80°C without breakage</p>
2094601	Pediatric Blood Bag	<p>Penta Blood bags, Size (ml)-450ml Anticoagulant –CPDA, Bag 1: 450ml Bag, 2: 150ml Bag, 3:150ml Bag, 4: 150mlBag, 5:150ml, with leucocyte depleted filter. Sampling Sytem: Needle 15G with protective cover and other sampling items.</p>