<table>
<thead>
<tr>
<th>Clinical Specialty</th>
<th>Blood Bank</th>
</tr>
</thead>
<tbody>
<tr>
<td>Generic Name</td>
<td>CONTINUOUS FLOW APHRESIS SYSTEM</td>
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<tr>
<td>Clinical Purpose</td>
<td>Apheresis (aphairesis “a taking away”) is a medical technology in which the blood of a donor or patient is passed through an apparatus that separates out one particular constituent and returns the remainder to the circulation. It is thus an extracorporeal therapy.</td>
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**TECHNICAL SPECIFICATIONS**

**Detailed Requirement:**
- Apheresis system for cell therapy, therapeutic apheresis, stem cells and transfusion medicine
- Microprocessor controlled
- Both for adults and paed applications
- Continuous flow centrifuge system with low extracorporeal volume
- Dual & single needle platelet collection system
- Dual & single needle therapeutic plasma exchange system
- Red blood cell exchange capability
- White blood cell collection and depletion, lymphoplasma exchange
- Automatic regulation of platelets and plasma volume
- RS 232/USB port for data output
- 220V 50 Hz, AC

**User Adjustable Settings:**
- Programmable
- Control of infusion rate of anti-coagulant
- Control of patient fluid balance, volume of replacement and remove RBC volume, patient HCT
- Control procedure run time
- Selectable adjustable reference range for all parameters
- Safety for automatic centrifuge shut down between any pause
- Platelet concentration monitor

**Displayed Parameters:**
- Monitoring of infusion rate of anti-coagulant
- Digital display of patient fluid balance, volume of replacement and remove RBC volume, patient HCT
- Digital display of procedure run time
- Alarm for low donor platelet

**Accessories:**
- Complete with standard and operation accessories
  - Imported Compatible Sine wave UPS for back up of up to 30 minutes (Emerson, Liebert, Chloride, MGE, APC or Equivalent)
  - Operating Manual with a Soft Copy
  - Service Manual with a Soft Copy

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