REFERENCES:


SCOT 15 SOLUTION FOR ORGAN PRESERVATION

• 4th Generation Organ Preservation Solution(1).
  Extracellular-type composition containing 15 g/L of PEG 20 kDa. as colloid.
• Multiple Abdominal Organs Preservation(2).

INDICATIONS

• Perfusion and preservation of abdominal grafts (Kidney, Liver, Pancreas)
  from retrieval to reimplantation(3, 4).

  Particular precautions:
  This is not a cardioplegic solution.
  In any case, do not administer SCOT 15 to the patient for therapeutic use.
  For any additional information, please read the product’s instructions for use.

CHARACTERISTICS

• Extracellular-type solution with a low potassium concentration (5 K+ mM/L)(5).
• Stable solution with a high molecular weight polyethylene glycol (PEG 20 kDa.)(5).
• Easy to store at room temperature (between +2°C and +25°C)*(6).
  *The solution must be stored for at least 24 hours at a temperature ranging from +3°C and +5°C prior to use.
  The solution should be removed from the refrigerator just before use(7).

EFFECTS

• The low potassium concentration and the polyethylene glycol (PEG 20 kDa.)8, 9:
  - Avoid acute vasoconstriction.
  - Decrease cellular depolarisation.
  - Slow ATP loss and pH reduction.
  - Exert oncotic pressure, limiting tissue edema during preservation and reperfusion(10).
  - Decrease the inflammatory response resulting from graft ischemia-reperfusion injury(11).
  - Reduce immunogenicity of the graft by non-pharmacological masking of antigenic sites on the cell membrane (immunomasking effect)(11, 12).
  - Reduces the phenomenon of post-transplant rejection(11, 12).
  - Protects the grafts from ischemia-reperfusion injuries(11, 12, 13).

COMPOSITION

SOLUTION COMPOSITION

<table>
<thead>
<tr>
<th>Component</th>
<th>Concentration</th>
<th>Description</th>
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<tbody>
<tr>
<td>Sodium chloride</td>
<td>6.94 g/L</td>
<td>SCOT 15 Multiple Abdominal Organs for Organ Preservation (Kidney, Liver, Pancreas)</td>
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<tr>
<td>Potassium chloride</td>
<td>0.45 g/L</td>
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<tr>
<td>Dihydrate calcium chloride</td>
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<td>Hexahydrate magnesium chloride</td>
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<tr>
<td>Monohydrate D-Glucose</td>
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<td>Sodium bicarbonate</td>
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<tr>
<td>Polyethylene glycol 20 000</td>
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<tr>
<td>Hydrochloric acid</td>
<td>ad pH = 7.50</td>
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<tr>
<td>Water for Injection</td>
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SCOT 15 Multiple Abdominal Organs
Solution for Organ Preservation (Kidney, Liver, Pancreas)