

# INSULIN, HUMAN SOLUBLE

<b>Brand Name:</b>	Actrapid®
<b>Manufacturer:</b>	Novo Nordisk Limited
<b>Form:</b>	Each vial contains: 1000units/10ml (100units/ml)
<b>Reconstitution:</b>	Already in solution.
<b>Compatible Infusion Fluids:</b>	<ul style="list-style-type: none"> <li>▪ Sodium chloride 0.9%</li> </ul>

<b>Method of Administration:</b>	<p><u>Continuous IV Infusion:</u> Draw up 50 units (0.5ml) human soluble insulin into an insulin syringe. Draw up 49.5ml sodium chloride 0.9% into a 50ml syringe. Add the 0.5ml insulin to the sodium chloride 0.9% in the 50ml syringe to give a concentration of 1 unit/ml. Mix thoroughly. Administer via a syringe driver at the rate prescribed</p> <p>e.g. 1ml/hour = 1unit/hour 0.1ml/hour = 0.1unit/hour</p>
----------------------------------	---

For administration advice in neonates see the West of Scotland Neonatal Parenteral Drug Monograph for Insulin (available on The Knowledge Network).

Other routes of administration:  
SC – Refer to Summary of Product Characteristics.

<b>Special Monitoring Requirements:</b>	<p>Monitor blood glucose concentrations. Transitory local injection site reactions (redness, swelling, and itching at injection site), lipodystrophy and generalised hypersensitivity reactions may occur.</p>
---	--

<b>Further Information:</b>	<p>Change syringe every 24 hours (insulin adsorbed on to plastic). Do not freeze.</p>
-----------------------------	---

Document Number:	INSU04	Supersedes:	INSU03
Prepared by:	Jean Macpherson	Checked by:	Rhona Mundell
Date prepared:	January 2007	Date updated:	May 2020
Updated by:	Kirsty Graham	Review date:	May 2022

**Administer reconstituted solutions immediately.**

**All vials, ampoules and infusion bags are for single use only unless otherwise stated.**

This monograph should be used in conjunction with the package insert, BNF, BNF for Children, and Summary of Product Characteristics. For further advice, contact your clinical pharmacist or pharmacy department