

**Critical Care Guidelines  
FOR ICU USE ONLY**



**INSULIN (Actrapid®)**

<b>PRESENTATION:</b>	Vials containing 1000 units in 10ml, 100 units/ml, human soluble insulin (Actrapid®).
<b>INDICATION:</b>	Hyperglycaemia
<b>DOSE AND ADMINISTRATION:</b>	<b>ICU STANDARD INTRAVENOUS INFUSION</b>  50 units of Actrapid® in 50ml sodium chloride 0.9%.
<b>RATE:</b>	Prescribed according to the “insulin therapy in critical care” protocol.
<b>CONCENTRATION:</b>	1 unit/ml
<b>STABILITY:</b>	Physically and chemically stable for 24 hours at room temperature.  Once open, vials should be stored at room temperature and discarded after 6 weeks.
<b>ADDITIONAL NOTES:</b>	Also stable in glucose 5%.

**References**

1. Actrapid 100IU/ml, Solution for Injection in a vial. Novo Nordisk Limited. Summary of Product Characteristics [www.emc.medicines.org.uk](http://www.emc.medicines.org.uk). Last updated 03/09/19.
2. Insulin (soluble), human. IV injections guide accessed via [www.inguide.nhs.uk](http://www.inguide.nhs.uk) on 23/03/20. Date published, 22/01/19.

Title: Insulin (Actrapid®)	
ID:	Authors: Claire Hannah
Category:	Document Version: 3.0
Status Draft/Final: FINAL	Review Date: March 2022
Authoriser: Lothian Critical Care QIT Editorial Board.	Authorisation Date: March 2020
Date added to Intranet: March 2020	
Key Words: Insulin	
Comments	

**Critical Care Guidelines  
FOR ICU USE ONLY**

**FOR ICU USE ONLY  
Critical Care Guidelines**