

HUMULIN R U 500 Insulin Guideline

Humulin R[®] U500 insulin contains 500 units of insulin in each millilitre (5-times more concentrated than regular human insulin 100units/ml). For Humulin R[®] U500 insulin, extreme caution must be observed in the measurement of dosage because inadvertent overdose may result in severe or life-threatening hypoglycaemia. It is for subcutaneous injection only; it should NOT be used intravenously or intramuscularly. It is an unlicensed medication in the UK and is supplied on a named patient basis for a small number of very insulin resistant patients. It is usually given 2-3 times daily 20-30 mins before meals.

If a patient on Humulin R U 500 is admitted:

- Patient's case note will have an alert saying they are on Humulin R U-500
- Inform the inpatient diabetes team and activate on Salus
- Humulin R U500 should be administered using a standard U 100 insulin syringe.
- For any dose changes please contact the diabetes team.

Prescribing and administering Humulin R U-500:

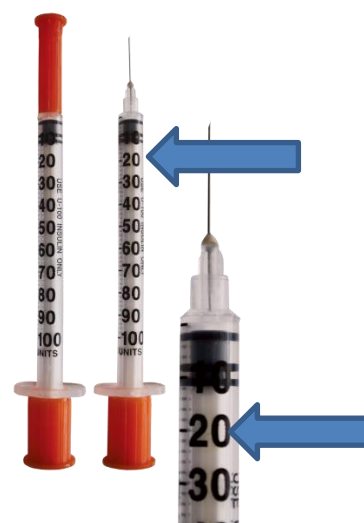
5 units of Humulin[®] U-500 is equal to **1 unit marking** on a standard U-100 insulin syringe.

To ensure the patient receives the correct dosage of insulin, Humulin R U-500 should be prescribed with both actual dose (i.e. number of units) and with the number of unit markings on a standard U-100 insulin syringe (see below).

For drawing up a dose of Humulin-R U-500, use the following formula:

Prescribed dose of Humulin[®]R (units) ÷ 5 = unit markings on standard U-100 insulin syringe

DRUG			
HUMULIN R U-500			
START DATE	DOSE	ROUTE	FREQUENCY
7/10/16	100 units = 20 unit-markings	SC	BD
ADDITIONAL INFORMATION		NO. OF DAYS	PHARMACY
Use standard U-100 insulin syringe. Give 30 mins before meal			
MEDICINE ALTERED SINCE ADMISSION			
NO CHANGE	INCREASED	DECREASED	NEW
PRESCRIBER SIGN + PRINT NAME		SLEEP No.	
Kevans EVANS		89617	



Trust Guidelines

Guidance Title: HUMULIN R U 500 Insulin prescribing guideline

Issue Date	Version
October 2016	V1

Accountabilities

Author	Dr Kate Evans
Reviewed by (Group)	PHNT Diabetes MDT
Approved by (Lead)	Mrs E Moore, Diabetes SLD

Links to other documents

Version History

V1	October 2016	
Last Approval	Due for Review	
October 2016	September 2019	