

TOCILIZUMAB IV Infusion

(Applies to Tyenne and Roactemra Brands)

Presentation

Tocilizumab 20mg in 1mL concentrate 10ml, 20ml and 4ml vials

Prescribing

Order by brand name Tyenne or Roactemra
(ERX 408690013 for Roactemra ERX 408690311 for Tyenne)

Dose as per EPIC

<u>Weight</u>	
<u>Less than 30kg</u>	<u>10 - 12mg/kg/dose in 50ml</u>
<u>30kg or above</u>	<u>8mg/kg/dose (maximum 800mg) in 100ml</u>

If the patient is overweight or obese (>95th centile for age), consider dose adjustment. This must be discussed with a consultant on a case-by-case basis

Storage

Store in refrigerator. Protect from light

Preparation/ Dilution

Less than 30kg

1. Draw up the required volume of tocilizumab into a 50mL syringe and make up to 50mL using sodium chloride 0.9%. Label as per Trust policy

Patients 30kg and above

1. Draw the required amount of tocilizumab into a 50mL syringe.
2. Remove the same volume from the 100mL bag of sodium chloride 0.9% before replacing with tocilizumab. Gently invert bag and label as per Trust policy.

Route of Administration

Central or peripheral infusion suitable

Rate of Administration

Over 60 minutes.

Stability

Use immediately – assign 4 hour expiry to IV additive label.

Flushes

Sodium chloride 0.9%

Common Compatibilities at Terminal Y- site

Infuse alone.

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Monitoring/ Other comments

Monitor for emergency infusion related side effects such as hypersensitivity reactions including anaphylaxis, flushing, fever, chills, rash, pruritus, urticaria, hypertension. Stop infusion and contact medical team/PACE immediately if there deterioration in blood pressure, respiratory rate or any signs of an anaphylactoid reaction.

Full cardiac monitoring, temperature and respiratory rate must be undertaken at 15, 30, 60 and 120 minutes for initial infusion.

Extravasation Risk

Extreme of pH	Hyperosmolar	Vasoactive	Vesicant	Irritant
No pH 6-7	No	No	No	No

Excipients can cause tissue damage on extravasation.

Pump mode

ml/hour - use volume to be infused over time

Calculation example

30kg child requires tocilizumab, current NHS contract brand Tyenne - order via EPIC

Dose = 8mg x 30kg = 240mg

Prepare as follows:

Withdraw 12mL from the 100ml Sodium Chloride 0.9% infusion bag and discard. Then draw up 12mL of Tocilizumab and add this to the infusion bag and label as per Trust Policy. Select volume to be given over time mode on pump to give a rate of 100mL/hour

To check infusion rate:

Pump rate in mL/hr = $\frac{100\text{mL}}{1\text{hr}} = 100\text{mL/hour}$