

# Medicines Management & Pharmacy Services (MMPS)

## LTHT Neonatal Unit Administration Guide

### Vancomycin

Dose:	Corrected gestation	Age	Dose
	<29/40	<10 days	20mg/kg - 18 hourly
	<29/40	≥10 days	15mg/kg - 12 hourly
	≥29/40	<10 days	15mg/kg - 12 hourly
	≥29/40	≥10 days	15mg/kg - 8 hourly

#### Route of administration:

Administer vancomycin 5mg/mL over at least 60 minutes via a central or peripheral line. If using a peripheral vein monitor for adverse reactions at injection site or signs of extravasation.

#### Products available:

- 50mL stock bottles are available from pharmacy aseptics as 5mg/mL in sodium chloride 0.9% (if unavailable seek supply from pharmacy or elsewhere within neonatal units)
- Syringes for individual patients are available from pharmacy aseptics as 5mg/mL in sodium chloride 0.9%.
- 500mg dry powder vial

#### To prepare an infusion:

**Note: Preparation requires a DOUBLE dilution**

Step	Process	Concentration at end of step
1.	Add <b>XmLs</b> (amount depends on brand-see below) of water for injection to a 500mg vial	<b>50mg/1mL</b> (First dilution)
2.	Draw up 1mL(50mg) of this concentrated solution	
3.	Add 9mL of sodium chloride 0.9% to give a final volume of 10mL and mix thoroughly	<b>5mg/1mL</b> (Second dilution)
4.	Withdraw required dose of this <b>5mg/mL</b> solution.	

Brand Specific Displacement Values:

Flynn Pharma	Add 9.6mL to 500mg
Wockhardt or Hospira	Add 9.7mL to 500mg
Demo SA	Add 9.8ml to 500mg
Hikma or Sandoz	Add 10ml to 500mg
MIP Pharma	Add 9.75mL to 500mg

#### How to prescribe:

Prescribe using the neonatal vancomycin supplementary drug chart.  
**Also prescribe as a refer to chart on emeds**  
**Document the indication and duration on the drug chart.**

#### Compatibilities:

Aciclovir, alprostadil, atracurium, caffeine citrate, calcium gluconate, clarithromycin, fluconazole, hydrocortisone, insulin, magnesium, meropenem, midazolam, milrinone, morphine, parenteral nutrition, ranitidine

#### Incompatibilities:

Ambisome, cefotaxime, ceftazidime, dexamethasone, heparin, phenobarbital

#### Notes:

If there is no compatibility information, or the line has drugs known to be incompatible being infused, do not assume compatibility. Use a separate line.

#### References:

BNFc App (V. 1.2.4) August 2017, NHS Injectable Medicines Guide Version 6 14/12/2016, Thames Valley Y-site Chart (Sept 2015)  
 Hikma. Patient Information Leaflet - Vancomycin 500mg and 1000mg vials Sept 2016 (PL15413/0001) <accessed via mhra.org.uk on 11/12/2017>

#### Provenance

Date Produced: July 2015

Last reviewed: October 2018

Valid until: February 2019

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This information has been prepared by Leeds Medicines Management and Pharmacy Services for use by health care professionals at Leeds Teaching Hospitals NHS Trust