



NEONATAL

IV Compatibility in Neonates

This document should be read in conjunction with this [DISCLAIMER](#)

Aim: The purpose of this guideline is to guide nursing staff in the administration of IV medication in neonates

- The table provides a guide to medication compatibility via Y-site within the NCCU.
- Medication compatibilities are concentration, temperature and light dependent.
- Do NOT use solutions where there is a visible change in colouration.
- For further information, please contact the Pharmacy Department.

References:

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Y-Site Compatibility Chart for IV Infusions

Drug	Adrenaline	Alprostadi	Benzylpenicillin	Caffeine (base)	Calcium Gluconate	Dobutamine	Dopamine	Furosemide	Gentamicin	Glucose 5%	Glucose 10%	Glucose 25%	Indometacin	Meropenem	Metronidazole	Midazolam	Morphine Sulphate	Noradrenaline	Parenteral Nutrition (TPN)	Pentoxifylline	Sildenafil	Sodium Bicarbonate	Sodium Chloride 0.9%	Vancomycin	
Adrenaline																									
Alprostadi																									
Benzylpenicillin	C																								
Caffeine (base)																									
Calcium Gluconate	C		C																						
Dobutamine	C	C	X		C																				
Dopamine	C	C	C	C	C	C																			
Furosemide	C	C	C	X	C	X	M																		
Gentamicin	C	C	C		C	C	C	X																	
Glucose 5%	M	M	C	C	C	C	C	M	C																
Glucose 10%	C	C		C	C	C	C	M	C	C															
Glucose 25%										C	C														
Indometacin			C	X	X	X	C	X	C	X															
Meropenem			M	X	C	C	C	C	M	C															
Metronidazole	C				C	C	C	C	C	C				M											
Midazolam	C		C		C	M	C	X	C	C			X		C										
Morphine Sulphate	C		C		C	C	C	M	C	C	C		X	C	C	C									
Noradrenaline	C		C		C	M	C	C	C	M	C			C	C	C	C								
Parenteral Nutrition (TPN)		C	C	C	M	C	C	C	C	C	C	C			C	M	M								
Pentoxifylline	C	C	C	C	X	C	C	C	C	C	C	C	C	C	C	C	C	C							
Sildenafil																									
Sodium Bicarbonate	X		M	X	X	X	C	C	C	C	C	C	X	C	X	C	X	C	C						
Sodium Chloride 0.9%	C	M	C		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Vancomycin	C	C			C	C	C	X	C	C	C		X	C	C	C	C	C	C	C	C	C	M	C	

C Compatible at Y-site
M Mixed reports, contact Pharmacy
X Incompatible
Blank No data available

* This table refers to concentrations used in the neonatal medication guidelines ONLY and should not be used for any other clinical area



Publishing:	<input checked="" type="checkbox"/> Intranet <input checked="" type="checkbox"/> Internet		
Document owner:	Head of Department - Neonatology		
Author / Reviewer:	KEMH & PCH Pharmacy / Neonatology Directorate		
Date first issued:	April 2018	Version:	1.1
Last reviewed:	October 2019	Next review date:	Oct 2022
Endorsed by:	Neonatal Directorate Management Group	Date:	Oct 2019
Standards Applicable:	NSQHS Standards: 1 Clinical Care is Guided by Current Best Practice, 3 Infection Control 4 Medication Safety;		
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