# **Document control sheet**

GUIDELINE NUMBER	CG-MONO/4388/24
AREA IN WHICH THIS MONOGRAPH APPLIES	Paediatrics - all areas

DIVISIONAL AUTHORISATION	
GROUP	DATE
Paediatric monograph review group	4/6/24 (Dr Nagaraj and Kelly Farrington)

AUTHORS		
Author	Position	Date
Written by: Ellie Cheale Specialist Paediatric Pharmacist		12/6/23
Checked by: Harriet Hughes/Joanna Hurcombe	Advanced Pharmacists	13/06/23

#### If review:

	Position	Date
Reviewed by:		
Name		
Updated and transferred to new template by:		

## Change history:

Changes Reference	Change details	Date

# Paediatric Maintenance Fluid: Glucose 5%, Sodium Chloride 0.9% and Potassium 10 mmol 500 ml bag

Presentation:	Glucose 50% 50 ml (glass vial) and Sodium Chloride 0.9% and Potassium 10 mmol 500 ml (bag)				
Indication:	Paediatric intravenous fluids for children aged 4 weeks and older (maintenance fluid) Children weighing less than 20 kg				
Dose:	Please refer to the Intravenous (IV) Fluids and Management of Electrolyte Abnormality guideline for calculating fluid deficit volumes for patients requiring a correction (i.e. dehydration) For children aged 4 weeks and older (maintenance):				
	Childs weight (kg)		nanneena		e of fluid (ml/kg/day)
	First 10 kg100				
	Second 10 kg			50	
	Every subsequent kg			20	
	The maximum maintenance requirement for males is 2500 mls/day and for females is 2000 mls/day. This does not apply when using correction volumes for dehydration.				
Route of administration:	Intravenous (Peripheral and central administration)				
Instructions for preparation and administration:	<ol> <li>Remove 50mL from a 500mL bag of sodium chloride 0.9% with potassium 10mmol and discard</li> </ol>				
	DRUGS ADDED TO THIS INFUSION				
	PATIENT Patient A	:	WARD	рсси	
	DRUG Glucose 50%	AMOUNT 50mL	BATCH N	D. PREPD BY HH	
	Sodium Chloride Potassium 10mm Diluent	wi 500ml	ите	CHECKED BY	
	DATE PREPD 21/03/23 TIME PREPD 0700	EXP. DATE 22/03/23 EXPJUE			
	DISCONTINUE IF CLOUDINESS OR PRECIPITATE DEVELOPS.				
<u>Prescribing</u>	Prescribe on the paper fluid charts (RDH sites) or on Meditech (Burton site)				
Known compatibility issues	Incompatible with sol See Y-Site compatibili		g aminop	hylline	

Additional	• The preparation of this product means that the approximate sodium chloride concentration
Comments:	is 0.8% and the potassium is 9 mmol in 500 ml
	<ul> <li>It is accepted that concentrations of the newly prepared bag will be approximate</li> </ul>

Note: The contents of this monograph should be read in conjunction with information available in the BNFC and Medusa

### References:

UHDB Management of Diabetic Ketoacidosis in Children and Young People - Full Paediatric Guidelines <u>opac-retrieve-file.pl (koha-ptfs.co.uk)</u>

NICE (NG29) Intravenous fluid therapy in children and young people in hospital <u>Recommendations</u> | <u>Intravenous fluid therapy in children and young people in hospital | Guidance | NICE</u>

Review due : June 2027