

Standards for Paediatric IV Fluids

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Summary To advise clinicians and managers about the products recommended in the Standards for Paediatric IV fluids (GL2014_009) published in June 2014. The Standards address the appropriate choice of IV fluids and measures related to their procurement, storage and safe administration.

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Applies to Local Health Districts, Specialty Network Governed Statutory Health Corporations, Public Hospitals

Audience All medical and nursing staff, pharmacy staff, procurement staff

Distributed to Divisions of General Practice, NSW Ambulance Service, Ministry of Health, Private Hospitals and Day Procedure Centres, Tertiary Education Institutes

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Policy Manual Patient Matters

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STANDARDS FOR PAEDIATRIC INTRAVENOUS FLUIDS

PURPOSE

To advise clinicians and managers about the products recommended in the Standards for Paediatric IV fluids (GL2014_009) published in June 2014. The Standards address the appropriate choice of IV fluids and measures related to their procurement, storage and safe administration.

Chief Executives are to ensure that the requirements of this information bulletin are communicated to all appropriate staff.

KEY INFORMATION

All fluids recommended in the Standards are available for order from Baxter Healthcare. Some products are compounded and some products are manufactured in the Baxter Toongabbie facility.

Compounded IV Products

Products that are compounded in the Baxter Pharmacy need to be ordered taking into consideration the appropriate lead time (please see the ordering document below).

As they are compounded these products are generally more expensive. If there is sufficient high demand for a compounded product then it may become a custom manufactured product (also known as Therapeutic Goods Administration or TGA Schedule 5A) with storage and cost benefits to healthcare facilities.

The only way to bring down the price of these products is to consistently order according to the Standards.

Schedule 5A Solutions (AHK codes) are made in the Baxter Toongabbie facility and are ordered through Baxter Customer Service. For your first order only a Pharmacist will have to sign a TGA Schedule 5A form. This does not mean these IV fluids will always have to be ordered by your pharmacy department. All subsequent orders will be covered by the initial TGA form. You are not able to receive your order until this form has been completed and returned to Baxter Healthcare. Each individual AHK code must have a signed TGA form. Therefore, your Pharmacist may need to complete several forms for your institution.

IV Bag Sizes

Bags (500mL and 1000mL) will be available to NSW facilities for an initial two years and usage monitored. As the Children's Hospitals only use the 1000ml bags, that price will be lower due to the higher demand. Fluids for neonates will continue to be supplied only in 500mL bags (or less).

Potassium Chloride products

All products containing potassium chloride (including compounded products) will now be supplied with a pink over-pouch.

Pre-Packaged Bags

The practice of adding potassium chloride or glucose to Paediatric IV fluids should be discouraged. If this practice is because of the cost of specific fluid bags, then the use of less expensive 1000mL bag versions should be considered in the interest of patient safety in paediatric areas (not for neonates).

It is strongly recommended that, wherever possible, pre-packaged bags of appropriate IV fluids are available and used with the correct concentrations of sodium, glucose and potassium, across all NSW facilities. The use of premade/ pre-packaged IV Fluid bags in paediatrics is also encouraged by:

- Sydney Children's Hospitals Network - Intravenous Fluid and Electrolyte Therapy – Practice Guideline 2013 (page 5)
- Royal Children's Hospital, Melbourne - Intravenous Fluids Clinical Practice Guideline.

Paediatric Infusion Sets

As per NSW Health Policy Directive PD2010_034, Section 3.3.10 – *“Paediatric infusion sets with inline burette must be used for all children requiring intravenous therapy. An infusion pump should be used in all children”*.

Neonatal Fluids

For Neonates 0.225% sodium chloride + 10% glucose +/- 20mmol/L potassium chloride is recommended as an option for maintenance fluids. Please note when ordering:

- The version **without** potassium chloride (product code AHB2026) is labelled as **0.22% sodium chloride + 10% glucose**
- The version **with** potassium chloride (product code AHK6021) is labelled as **0.225% sodium chloride + 10% glucose + 10mmol potassium chloride.**

Ordering enquiries

For AHK and AHB Baxter IV fluid codes

Baxter Customer Service – Telephone - 1300 789646

For the compounded IVS.1000-5000 products

Baxter Pharmacy Services:

Telephone: 1800 227 487 or (02) 9848 1395

Fax: 1800 025 887 or (02) 9848 1155.

To avoid waste and reduce costs we encourage coordinated ordering across LHDs for the purchasing of less frequently used IV fluids.

ATTACHMENTS

- Baxter – 2014 – Paediatric IV Fluids Order Form NSW.



Pharmacy Services

Phone: 1800 227 487 or (02) 9848 1395

Fax: 1800 025 887 or (02) 9848 1155

Email: sydneypharmacy@baxter.com

Pharmacy Order Form

Ordering Hospital / Customer:

Ordered by:

Order Number:

Phone:

Fax:

Date:

Delivery Instructions:

Additional Comments:

Mastercode	Description	Total Volume	Container	Qty	Date/ Time required
IVS.1000	0.9% Sodium chloride + 5% Glucose + 10mmol Potassium chloride	500mL	Bag		
IVS.2000	0.45% Sodium Chloride +10% Glucose	500mL	Bag		
IVS.3000	0.45% Sodium chloride + 10% Glucose + 10mmol Potassium chloride	500mL	Bag		
IVS.4000	0.9% Sodium Chloride + 10% Glucose	500mL	Bag		
IVS.5000	0.9% Sodium chloride + 10% Glucose + 10mmol Potassium chloride	500mL	Bag		

Office Use Only:
Confirmation of Order Faxed

Please note all orders must be in multiples of 10 units and there is a 4 day turn around (working days) from placement of order to delivery

