

25 October 2017

## Proposed bulk fluids listings for DHB Hospitals

PHARMAC is seeking feedback from DHB hospitals, suppliers and other interested parties on the proposed outcome of our national procurement activity (a Request for Tenders (RFT)) for intravenous (IV) fluid bags and a range of irrigation solutions, collectively referred to as bulk fluids.

A [bulk fluids RFT](#) was released in April 2017 to all potential suppliers following careful consideration of the responses to our [2016 consultation](#) on the draft tender list.

This tender process, managed by PHARMAC, on behalf of DHBs, aimed to secure the best possible pricing and ongoing assured continuity of supply for a range of bulk fluids that are suitable for use in DHB hospitals. This consultation outlines the proposed outcome, following careful analysis of the RFT bids received and our clinical advice. To assist PHARMAC with preparing the tender list and providing objective clinical advice on the bids received, PHARMAC established a Bulk Fluids Clinical Advisory Group which met twice during the process.

PHARMAC welcomes all feedback on proposal below. Feedback received by the deadline will be considered by PHARMAC prior to making a decision. Please do not hesitate to contact us if you have any questions on the proposed process or require further information to inform your response.

**ALL RESPONSES ARE DUE BY 5 PM, THURSDAY 16 NOVEMBER 2017**

### Feedback sought

To provide feedback, please submit it in writing, preferably by email in the excel file supplied, or as a separate document clearly referencing the item number relevant to each aspect of your feedback, to:

Andrew Park  
Senior Therapeutic Group Manager  
PHARMAC  
PO Box 10 254, Wellington 6143

Email: [andrew.park@pharmac.govt.nz](mailto:andrew.park@pharmac.govt.nz)

Feedback we receive is subject to the Official Information Act 1982 (OIA) and we will consider any request to have information withheld in accordance with our obligations under the OIA. Anyone providing feedback, whether on their own account or on behalf of an organisation, and whether in a personal or professional capacity, should be aware that the content of their feedback and their identity may need to be disclosed in response to an OIA request.

We are not able to treat any part of your feedback as confidential unless you specifically request that we do, and then only to the extent permissible under the OIA and other relevant laws and requirements. If you would like us to withhold any commercially sensitive, confidential proprietary, or personal information included in your submission, please clearly state this in your submission and identify the relevant sections of your submission that you would like it withheld. PHARMAC will give due consideration to any such request.

## Details of the proposed outcome

**Appendix One** of this letter, and supplied separately as an excel file, is the list of bulk fluids that we propose to **remain (or be) listed and award Hospital Supply Status** to from the specified dates and at the specified prices until 30 June 2021 with a 1% DV limit.

**Appendix Two** of this letter, and supplied separately as an excel file, contains a list of bulk fluids that we propose to **remain listed, but without Hospital Supply Status**. PHARMAC is proposing not to award bids for these fluids (which means that they would not be contracted and thus have assurances of continuity of supply).

**Appendix Three** of this letter, and supplied separately as an excel file, contains a list of bulk fluids that we propose **delisting from 1 May 2018**. Once delisted, they would no longer be available for use within any DHB hospital.

Please note:

- All references to 'listed' or 'delisting' in this consultation mean included or removed from Part II of Section H of the Pharmaceutical Schedule (as applicable). When a product is included it allows its use in or purchase by DHB hospitals; when it is removed, it is not allowed to be used or purchased by DHB hospitals.
- If Hospital Supply Status (HSS) is awarded, it means no other brand of a bulk fluid with the same presentation (or within the ranges tendered if applicable) would be listed in Part II of Section H of the Pharmaceutical Schedule during the HSS period.
- Any bulk fluids that are not listed in Part II of Section H of the Pharmaceutical Schedule could not be used or purchased by DHB Hospitals. To be used or purchased, an application would need to be made to PHARMAC for a Pharmaceutical Schedule listing (or an exceptional circumstance application approved).

### The most significant proposed changes are:

- to delist potassium chloride 30 mmol/l containing intravenous fluids in favour of 20 mmol/l and 40 mmol/l. This is proposed in the interests of increased standardisation of potassium containing fluids both regionally and internationally. Our clinical advice is that there is no clinically significant difference between these fluids.
- to delist all products currently listed as 'Plasma Volume Expanders' including hydroxyethyl starch based fluids (Voluven and Volulyte 6%) and succinylated gelatin 4% (Gelofusine). Our clinical advice is that hydroxyethyl starch based fluids are likely to increase mortality and severe renal failure when compared to resuscitation with crystalloids; and that, while there is no direct evidence of associated harm, there is insufficient evidence to support use of succinylated gelatin over alternative fluids.
- to delist the aqueous chlorhexidine containing irrigation fluids, given substantially increased pricing. Our clinical advice is that there is no clinical need that could not be met with other funded alternative products.
- to move exclusively to 3000 ml bags of fluid for irrigation (by delisting the 2000 ml bags). We have consulted with urologists who have stated a preference for 3000 ml bags given the likely volume of these fluids used during each procedure.

We are seeking feedback on any aspects of all three Appendices. This provides a final opportunity to provide information on any items in Appendix Three that we propose delisting that you consider essential, noting any niche uses. To assist us with the consideration of your feedback, please provide the clinical rationale for any suggested amendments.

## Appendix One

Item Number	Route	Chemical	Formulation	Pack	Supplier (Brand)	Current Price	New Price	Listing or price change date	HSS Date
1	IV	Compound electrolytes	Inj sodium 140 mmol/l; potassium 5 mmol/l; magnesium 1.5 mmol/l; chloride 98 mmol/l; acetate 27 mmol/l; gluconate 23mmol/l	500 ml bag	Baxter (Plasma-Lyte148)	\$5.00	\$2.45	1-Feb-18	1-Feb-18
2			Inj sodium 140 mmol/l; potassium 5 mmol/l; magnesium 1.5 mmol/l; chloride 98 mmol/l; acetate 27 mmol/l; gluconate 23mmol/l	1000 ml bag	Baxter (Plasma-Lyte148)	\$2.40	\$2.27	1-Feb-18	1-Feb-18
3			Inj sodium 140mmol/l; potassium 5 mmol/l; magnesium 1.5 mmol/l; chloride 98 mmol/l; acetate 27 mmol/l; gluconate 23mmol/l; glucose 23mmol/L (5%)	1000 ml bag	Baxter (Plasma-Lyte148 & 5% glucose)	\$7.00	\$17.66	1-Feb-18	1-Feb-18
4	IV	Compound sodium lactate (Hartmann's solution)	Inj sodium 131 mmol/l; potassium 5 mmol/l; calcium 2 mmol/l; bicarbonate 29 mmol/l; chloride 111 mmol/l	500 ml bag	Baxter	\$1.77	\$1.30	1-Feb-18	1-Feb-18
5			Inj sodium 131 mmol/l; potassium 5 mmol/l; calcium 2 mmol/l; bicarbonate 29 mmol/l; chloride 111 mmol/l	1000 ml bag	Baxter	\$1.80	\$1.31	1-Feb-18	1-Feb-18
6	IV	Glucose (Dextrose)	Inj glucose 5%	50 ml bag	Baxter	\$2.87	\$2.39	1-Feb-18	1-Feb-18
7			Inj glucose 5%	100 ml bag	Fresenius Kabi (Freeflex)	\$2.84	\$1.55	1-Apr-18	1-Jun-18
8			Inj glucose 5%	250 ml bag	Fresenius Kabi (Freeflex)	\$3.87	\$1.75	1-Apr-18	1-Jun-18
9			Inj glucose 5%	500 ml bag	Fresenius Kabi (Freeflex)	\$1.77	\$1.20	1-Apr-18	1-Jun-18
10			Inj glucose 5%	1000 ml bag	Fresenius Kabi (Freeflex)	\$1.80	\$1.68	1-Apr-18	1-Jun-18
11			Inj glucose 10%	500 ml bag	Baxter	\$6.11	\$6.11	1-Feb-18	1-Feb-18
12			Inj glucose 10%	1000 ml bag	Baxter	\$9.33	\$9.33	1-Feb-18	1-Feb-18
13			Inj glucose 50%	500 ml bag	Baxter	\$18.74	\$18.74	1-Feb-18	1-Feb-18
14	IV	Glucose with sodium chloride	Inj glucose 5%; sodium chloride 0.45%	1000 ml bag	Baxter	\$5.80	\$13.60	1-Feb-18	1-Feb-18
15			Inj glucose 5%; sodium chloride 0.9%	1000 ml bag	Baxter	\$8.92	\$14.45	1-Feb-18	1-Feb-18
16	IV	Potassium chloride with sodium chloride	Inj potassium chloride 10 mmol/l; sodium chloride 0.29%	100 mg bag	Baxter	Any brand	\$9.93	1-Feb-18	1-Feb-18
17			Inj potassium chloride 40 mmol/l; sodium chloride 0.9%	100 ml bag	Baxter	Any brand	\$16.09	1-Feb-18	1-Feb-18

18			Inj potassium chloride 20 mmol/l; sodium chloride 0.9%	1000 ml bag	Baxter	\$7.66	\$13.59	1-Feb-18	1-Feb-18
19			Inj potassium chloride 40 mmol/l; sodium chloride 0.9%	1000 ml bag	Baxter	\$12.26	\$21.11	1-Feb-18	1-Feb-18
20	IV	Glucose with potassium chloride and sodium chloride	Inj glucose 5%; potassium chloride 20 mmol/l; sodium chloride 0.45%	1000 ml bag	Baxter	\$8.29	\$13.33	1-Feb-18	1-Feb-18
21			Inj glucose 5%; potassium chloride 20 mmol/l; sodium chloride 0.9%	1000 ml bag	Baxter	\$12.50	\$23.56	1-Feb-18	1-Feb-18
22	IV	Barts solution [+/- potassium chloride]	Inj glucose 4%; sodium chloride 0.18%	1000 ml bag	Baxter	Not listed	\$13.61	1-Feb-18	1-Feb-18
23			Inj glucose 4%; potassium chloride 20 mmol/l, sodium chloride 0.18%	1000 ml bag	Baxter	\$8.31	\$16.95	1-Feb-18	1-Feb-18
24	IV	Mannitol	Inj mannitol 10%	1000 ml bag	Baxter	\$24.85	\$62.27	1-Feb-18	1-Feb-18
25			Inj mannitol 20%	500 ml bag	Baxter	\$23.08	\$60.94	1-Feb-18	1-Feb-18
26	Irrigation	Chlorhexidine with cetrimide	Irrigation soln 0.015%; cetrimide 0.15%	30 ml ampoule	Pfizer	\$6.04 (100ml)	\$0.99	1-Apr-18	1-Apr-18
27	Irrigation	Sodium chloride	Irrigation soln sodium chloride 0.9%	30 ml ampoule	InterPharma	\$0.65	\$0.35	1-Jun-18	1-Aug-18
28			Irrigation soln sodium chloride 0.9%	250 ml bottle	Fresenius Kabi	\$5.22 (100ml)	\$1.47	1-Apr-18	1-Jun-18
29			Irrigation soln sodium chloride 0.9%	1000 ml bottle	Baxter	\$6.59	\$1.49	1-Feb-18	1-Feb-18
30			Irrigation soln sodium chloride 0.9%	3000 ml bag	B Braun (Ecobag)	\$19.26	\$6.70	1-May-18	1-Jul-18
31	Irrigation	Water	Irrigation soln water	250 ml bottle	Fresenius Kabi	\$5.24 (100ml)	\$1.47	1-Apr-18	1-Jun-18
32			Irrigation soln water	1000 ml bottle	Baxter	\$6.58	\$1.73	1-Feb-18	1-Feb-18
33			Irrigation soln water	3000 ml bag	B Braun (Ecobag)	\$29.21	\$7.20	1-May-18	1-Jul-18
34	Irrigation	Glycine	Irrigation soln glycine 1.5%	3000 ml bag	B Braun (Ecobag)	\$22.70	\$7.80	1-May-18	1-Jul-18

**Appendix Two**

<b>Item Number</b>	<b>Route</b>	<b>Chemical</b>	<b>Formulation</b>	<b>Pack</b>	<b>Current Price</b>	<b>New Price</b>
35	IV	Glucose with potassium chloride and sodium chloride	Inj glucose 10%; potassium chloride 10 mmol/l; sodium chloride 15 mmol/l	500 ml	Any brand	Any brand
36			Inj glucose 2.5%; potassium chloride 20 mmol/l; sodium chloride 0.45%	3000 ml	Any brand	Any brand

### Appendix Three

Item Number	Route	Chemical	Formulation	Pack	Notes
37	IV	Compound sodium lactate (Hartmann's solution) with glucose	Inj sodium 131 mmol/l; potassium 5 mmol/l; calcium 2 mmol/l; bicarbonate 29 mmol/l; chloride 111 mmol/l; 5% glucose	1000 ml	
38	IV	Glucose	Inj glucose 70%	500 ml bag	50% included
39			Inj glucose 70%	1000 ml bag	50% included
40	IV	Barts solution [+/- potassium chloride]	Inj glucose 4%; potassium chloride 20 mmol/l, sodium chloride 0.18%	500 ml	1000 ml bags included
41			Inj glucose 4%; potassium chloride 30 mmol/l, sodium chloride 0.18%	1000 ml bag	K+ 20 mmol/l included
42	IV	Glucose with potassium chloride	Inj glucose 5%; potassium chloride 20 mmol/l	1000 ml bag	
43			Inj glucose 5%; potassium chloride 30 mmol/l	1000 ml bag	
44			Inj glucose 10%; potassium chloride 10 mmol/l	500 ml bag	
45	IV	Glucose with sodium chloride	Inj glucose 2.5%; sodium chloride 0.45%	500 ml bag	
46			Inj glucose 5%; sodium chloride 0.2%	500 ml bag	
47	IV	Potassium chloride with sodium chloride	Inj potassium chloride 30 mmol/l; sodium chloride 0.9%	1000 ml	K+ 20 mmol/l included
48	IV	Ringer's solution	Inj sodium 147 mmol/l; potassium 4 mmol/l, calcium 2.2 mmol/l; chloride 156 mmol/l	1000 ml bag	
49	IV	Gelatine, succinylated	Inj 4%	500 ml bag	
50	IV	Hydroxyethyl starch 130/0.4 with sodium chloride	Inj 6% with sodium chloride 0.9%	500 ml bag	
51	IV	Hydroxyethyl starch 130/0.4 with magnesium chloride, potassium chloride, sodium acetate and sodium chloride	Inj 6% with magnesium chloride 0.03%, potassium chloride 0.03%, sodium acetate 0.463% and sodium chloride 0.6%	500 ml bag	
52	Irrigation	Chlorhexidine with cetrimide	Irrigation soln chlorhexidine 0.015%; cetrimide 0.15%	100 ml bottle	30 ml ampoules included
53			Irrigation soln chlorhexidine 0.015%; cetrimide 0.15%	500 ml bottle	30 ml ampoules included
54			Irrigation soln chlorhexidine 0.015%; cetrimide 0.15%	1000 ml bottle	30 ml ampoules included
55			Irrigation soln chlorhexidine 0.05%; cetrimide 0.5%	100 ml bottle	

56			Irrigation soln chlorhexidine 0.05%; cetrimide 0.5%	500 ml bottle	
57			Irrigation soln chlorhexidine 0.1%; cetrimide 1%	100 ml bottle	
58	Irrigation	Chlorhexidine	Irrigation soln chlorhexidine 0.01%	30 ml ampoule	
59			Irrigation soln chlorhexidine 0.01%	100 ml bottle	
60			Irrigation soln chlorhexidine 0.02%	100 ml bottle	
61			Irrigation soln chlorhexidine 0.02%	500 ml bottle	
62			Irrigation soln chlorhexidine 0.05%	100 ml bottle	
63			Irrigation soln chlorhexidine 0.05%	500 ml bottle	
64			Irrigation soln chlorhexidine 0.1%	100 ml bottle	
65	Irrigation	Sodium chloride	Irrigation soln sodium chloride 0.9%	500 ml bottle	Small and large bottles are included
66			Irrigation soln sodium chloride 0.9%	2000 ml bag	3000 ml bags included
67	Irrigation	Water	Irrigation soln water	500 ml bottle	Small and large bottles are included
68			Irrigation soln water	2000 ml bag	3000 ml bags included
69	Irrigation	Glycine	Irrigation soln glycine 1.5%	2000 ml bag	3000 ml bags included