



## memorandum

To: Fresenius Kabi Agilia Smart Pump Users

From: Technology-Enabled Practice Team

Date: November 12, 2025

Message: **FK Agilia Smart Pump Drug Library Update**

The Fresenius Kabi Volumetric and Syringe Pumps will be updated on April 29, 2025. See below for details on updates to many libraries.

The Drug Library Data Set will be updated on **November 12, 2025**.

- This new data set (**NSH 12-NOV-2025**) will replace the drug library currently in use.
- The data set will download to **ALL** Agilia smart pumps that are plugged in and connected to WiFi on or after this date and must be accepted by the user.
- Please ensure that you select the correct drug library for your patient population or area of practice.
- A list of all changes can be found on the following pages.

Pump Profile Affected	Pump Change	Drug and Major Changes
Ambulatory	Modify Therapies	<p><b>Azithromycin 500 mg/500 mL</b> Adjusted entry to align with recommended infusion time in manual.</p> <p><b>Ferric Derisomaltose Slow</b> Added a sequential infusion to allow a “slow” infusion (15 mL/h x 20 mins, pause, then 120 mL/h). <i>Consider reviewing <a href="#">Managing Sequential Infusions</a> (available from the Infusion Therapy website) if you need a reminder on how to deliver a sequential infusion.</i></p> <p><b>Gentamicin 80 mg/50 mL</b> Increase soft and hard max rates to allow infusion over 30 minutes.</p> <p><b>Gentamicin 100 mL</b> Increase soft and hard max rates to allow infusion over 30 minutes.</p>

		<p><b>Tobramycin 100 mL</b> Increase soft and hard max rates to allow infusion over 30 minutes.</p>
Blood Products	Modify Therapy	<p><b>Immunoglobulin (IVIG)</b> Remove clinical warning that product is only compatible with D5W.</p>
Critical Care	New Therapy	<p><b>Clevidipine</b> New entry added.</p>
	Modify Therapy	<p><b>Dobutamine</b> Adjusted clinical message to match new guideline (PERIPHERAL LINE PERMITTED X 12 h IF GUIDELINES FOLLOWED).</p>
	Modify Therapy	<p><b>Epinephrine (except 240 mcg/mL)</b> Adjusted clinical message to match new guideline (PERIPHERAL LINE PERMITTED X 12 h IF GUIDELINES FOLLOWED).</p>
	Modify Therapy	<p><b>Gentamicin 80 mg/50 mL</b> Increase soft and hard max rates to allow infusion over 30 minutes.</p>
	Modify Therapy	<p><b>Gentamicin 100 mL</b> Increase soft and hard max rates to allow infusion over 30 minutes.</p>
	Modify Therapy	<p><b>Magnesium Sulfate 4 g/100 mL</b> Adjusted hard maximum to 8 hours to match manual.</p>
	New Therapy	<p><b>Methylene Blue</b> Added intermittent dose for shock.</p>
	Modify Therapy	<p><b>Tobramycin 100 mL</b> Increase soft and hard max rates to allow infusion over 30 minutes.</p>
	Modify Therapy	<p><b>Vasopressin</b> Adjusted clinical message (CENTRAL LINE REQUIRED).</p>

Critical Care SP	Modify Therapies	<p><b>Dobutamine</b> Adjusted clinical message to match new guideline (PERIPHERAL LINE PERMITTED X 12 h IF GUIDELINES FOLLOWED).</p> <p><b>Epinephrine</b> (except 240 mcg/mL) Adjusted clinical message to match new guideline (PERIPHERAL LINE PERMITTED X 12 h IF GUIDELINES FOLLOWED).</p> <p><b>Norepinephrine</b> (except 240 mcg/mL) Adjusted clinical message to match new guideline (PERIPHERAL LINE PERMITTED X 12 h IF GUIDELINES FOLLOWED).</p> <p><b>Phenylephrine</b> Adjusted clinical message to match new guideline (PERIPHERAL LINE PERMITTED X 12 h IF GUIDELINES FOLLOWED).</p> <p><b>Vasopressin</b> Adjusted clinical message (CENTRAL LINE REQUIRED).</p>
CV Periop	Modify Therapies	<p><b>Dobutamine</b> Adjusted clinical message to match new guideline (PERIPHERAL LINE PERMITTED X 12 h IF GUIDELINES FOLLOWED).</p> <p><b>Epinephrine</b> (except 240 mcg/mL) Adjusted clinical message to match new guideline (PERIPHERAL LINE PERMITTED X 12 h IF GUIDELINES FOLLOWED).</p> <p><b>Epinephrine 240 mcg/mL</b> Changed bolus to 24 mcg.</p> <p><b>Gentamicin 80 mg/50 mL</b> Increase soft and hard max rates to allow infusion over 30 minutes.</p> <p><b>Gentamicin 100 mL</b> Increase soft and hard max rates to allow infusion over 30 minutes.</p>

CV Periop	New Therapy	<b>Ketamine Pain mg/h</b> Entry added to library.
	Modify Therapy	<b>Norepinephrine</b> (except 240 mcg/mL) Adjusted clinical message to match new guideline (PERIPHERAL LINE PERMITTED X 12 h IF GUIDELINES FOLLOWED).
	Modify Therapy	<b>Phenylephrine</b> Adjusted clinical message to match new guideline (PERIPHERAL LINE PERMITTED X 12 h IF GUIDELINES FOLLOWED).
	Modify Therapy	<b>Tobramycin 100 mL</b> Increase soft and hard max rates to allow infusion over 30 minutes.
	Modify Therapy	<b>Vasopressin</b> Adjusted clinical message (CENTRAL LINE REQUIRED).
IMCU	New Therapy	<b>Clevidipine</b> New entry added.
	Modify Therapy	<b>Dobutamine</b> Adjusted clinical message to match new guideline (PERIPHERAL LINE PERMITTED X 12 h IF GUIDELINES FOLLOWED).
	Modify Therapy	<b>Norepinephrine</b> Adjusted clinical message to match new guideline (PERIPHERAL LINE PERMITTED X 12 h IF GUIDELINES FOLLOWED).
Maternal	Modify Therapy	<b>Azithromycin 500 mg/500 mL</b> Adjusted entry to align with recommended infusion time in manual.
	Modify Therapy	<b>Gentamicin 80 mg/50 mL</b> Increase soft and hard max rates to allow infusion over 30 minutes.
	Modify Therapy	<b>Gentamicin 100 mL</b> Increase soft and hard max rates to allow infusion over 30 minutes.

Maternal	New Therapy	<p><b>Ferric Derisomaltose Slow</b>            Added a sequential infusion to allow a “slow” infusion (15 mL/h x 20 mins, pause, then 120 mL/h).  <i>Consider reviewing <a href="#">Managing Sequential Infusions</a> (available from the Infusion Therapy website) if you need a reminder on how to deliver a sequential infusion.</i></p>
	Modify Therapy	<p><b>Magnesium</b>            Update name with “obstetrics” for indications of pre-eclampsia and fetal neuroprotection; adjusted max and added in a bolus.  <i>Consider reviewing <a href="#">Use of Bolus and Loading Dose</a> (available from the Infusion Therapy website) if you need a reminder on how to deliver a bolus dose.</i></p>
	New Therapy	<p><b>Conjugated Estrogens</b>            Add to library for bleeding indication.</p>
Medical/Surgical	Modify Therapy	<p><b>Azithromycin 500 mg/500 mL</b>            Adjusted entry to align with recommended infusion time in manual.</p>
	Remove Therapy	<p><b>Cefepime</b>            Removed 250 mg and 500 mg doses to align with updated monograph. Changed dosing to 1 g and 2 g (from 1000 mg and 2000 mg).</p>
	Modify Therapy	<p><b>Gentamicin 80 mg/50 mL</b>            Increase soft and hard max rates to allow infusion over 30 minutes.</p>
	Modify Therapy	<p><b>Gentamicin 100 mL</b>            Increase soft and hard max rates to allow infusion over 30 minutes.</p>
	Modify Therapy	<p><b>Magnesium Sulfate 5 g/100 mL</b>            Adjusted hard maximum to 8 hours to match manual.</p>
	Modify Therapy	<p><b>Sodium Phenylacetate/Sodium Benzoate</b>            Formerly known as Ammonul. Name now “SodPhenylacet/SodBenzoat” in the pump.</p>
Modify Therapy	<p><b>Tobramycin 100 mL</b>            Increase soft and hard max rates to allow infusion over 30 minutes.</p>	

Neonatal	New Therapy	<b>NS Bolus</b> New entry for IV Fluids (including a bolus option).
Oncology	New Therapy	<b>Dostarlimab</b> Added clinical warning (0.2 or 0.22 micron filter required).
	Remove Therapy	<b>Etoposide cont infusion</b> No longer in use.
	Modify Therapy	<b>Inotuzumab</b> Removed TALLman lettering to align with policy.
	Modify Therapy	<b>Isatuximab Subs</b> Change name to “isatuximab subs orig” and change the hard max rate to allow 250 mL to infuse over 30 minutes.
	New Therapy	<b>Isatuximab</b> Adding two new therapies called isatuximab subs rapid and isatuximab subs slow
	New Therapy	<b>Mirvetuximab</b> New entries: <=200 mg and >200 mg.
	Modify Therapy	<b>Mogalizumab</b> Increase VTBI and rate to accommodate volume up to 150 mL.
	Remove Therapy	<b>Nab-sirolimus</b> No longer in use.
	Modify Therapy	<b>Nivolumab/relatlimab</b> Increase VTBI and rate to accommodate volume up to 140 mL; removed TALLman lettering to align with policy.
	Remove Therapy	<b>Romidepsin</b> No longer in use.
	Remove Therapy	<b>Temsirolimus</b> No longer in use.
Modify Therapy	<b>Vinorelbine</b> Removed TALLman lettering to align with policy.	
	New Therapy	<b>Zolbetuximab</b> New entry (primary infusion).

Oncology Supportive	Modify Therapy	<p><b>Dexrazoxane</b> Entries adjusted to be delivered over 15 minutes (or as quickly as possible due to maximum rate available on pump - 1500 mL/h) for cardioprotection indication. Adjusted volumes to be infused and rates as bags are made to total volume. Also added in a 130–300 mg (100 mL) bag as dose has been used for cardioprotection.</p>
	New Therapy	<p><b>Isavuconazole</b> Added entry for new antifungal to formulary.</p>
	Modify Therapy	<p><b>Magnesium Sulfate 5 g/100 mL</b> Adjusted hard maximum to 8 hours to match manual.</p>
	New Therapy	<p><b>Pentamidine</b> Added entries as per requests.</p>
Pediatrics	New Therapy	<p><b>Ferric Derisomaltose</b> New entry for pediatrics.</p>
	Modify Therapy	<p><b>Gentamicin 80 mg/50 mL</b> Increase soft and hard max rates to allow infusion over 30 minutes.</p>
Peds High Acuity	New Therapy	<p><b>Albumin</b> Added syringe pump entry.</p>
	Modify Therapy	<p><b>Immunoglobulin (IVIG)</b> Remove clinical warning that product is only compatible with D5W.</p>
	Modify Therapy	<p><b>Insulin</b> Adjusted limits to match the IWK (decreased hard max from 1 unit/kg/h to 0.4 unit/kg/h).</p>
	Modify Therapy	<p><b>Levetiracetam</b> Updated to match changes at the IWK: new concentration for loading dose (100 mg/mL), decreased administration time to 15 minutes, removed volumetric pump entry, now named loading and maintenance.</p>
	Modify Therapy	<p><b>Milrinone</b> Adjusted limits to match the IWK (decreased soft max from 0.78 mcg/kg/min to 0.53 mcg/kg/min; decreased hard max from 1 mcg/kg/min to 0.75 mcg/kg/min).</p>

<p>Perioperative</p>	<p>Modify Therapies</p>	<p><b>Dobutamine</b> Adjusted clinical message to match new guideline (PERIPHERAL LINE PERMITTED X 12 h IF GUIDELINES FOLLOWED).</p> <p><b>Epinephrine</b> (except 240 mcg/mL) Adjusted clinical message to match new guideline (PERIPHERAL LINE PERMITTED X 12 h IF GUIDELINES FOLLOWED).</p> <p><b>Gentamicin 80 mg/50 mL</b> Increase soft and hard max rates to allow infusion over 30 minutes.</p> <p><b>Gentamicin 100 mL</b> Increase soft and hard max rates to allow infusion over 30 minutes.</p> <p><b>Norepinephrine</b> (except 240 mcg/mL) Adjusted clinical message to match new guideline (PERIPHERAL LINE PERMITTED X 12 h IF GUIDELINES FOLLOWED).</p> <p><b>Phenylephrine</b> Adjusted clinical message to match new guideline (PERIPHERAL LINE PERMITTED X 12 h IF GUIDELINES FOLLOWED).</p> <p><b>Vasopressin</b> Adjusted clinical message (CENTRAL LINE REQUIRED).</p>
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Resuscitation	Modify Therapies	<p><b>Dobutamine</b> Adjusted clinical message to match new guideline (PERIPHERAL LINE PERMITTED X 12 h IF GUIDELINES FOLLOWED).</p> <p><b>Epinephrine</b> Adjusted clinical message to match new guideline (PERIPHERAL LINE PERMITTED X 12 h IF GUIDELINES FOLLOWED).</p> <p><b>Norepinephrine</b> Adjusted clinical message to match new guideline (PERIPHERAL LINE PERMITTED X 12 h IF GUIDELINES FOLLOWED).</p> <p><b>Phenylephrine</b> Adjusted clinical message to match new guideline (PERIPHERAL LINE PERMITTED X 12 h IF GUIDELINES FOLLOWED).</p>
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Please direct any questions or concerns to Adrienne Gallagher and Alanna McQuaid, Smart Pump Pharmacists ([SmartPumps@nshealth.ca](mailto:SmartPumps@nshealth.ca)).