



## Product Change Notice


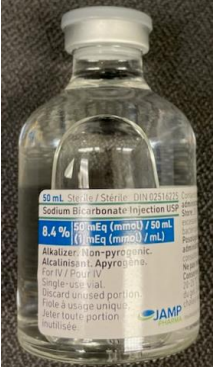
### sodium bicarbonate 4.2% X 10 mL PFS and 5 mL vials

**The Issue:** sodium bicarbonate 4.2% X 10 mL pre-filled syringes (PFS; Pfizer) and 5 mL vials (Fresenius Kabi) have both been discontinued in Canada. The only alternate option is sodium bicarbonate 8.4% in the 50 mL vial format, which will need to be used for crash kits and in wardstock areas going forward.

#### Practice Implications:

- Clinicians should be aware of this product change and change to workflow using a vial format, differing concentrations, and additional time required to prepare in an urgent situation.
- To achieve 4.2% strength, dilute 8.4% strength with equal parts (1:1) sterile water for injection prior to administration, as per [BC Children's Hospital resources](#).

#### Product Comparison:

<b><u>Discontinued Products:</u></b> sodium bicarbonate 4.2% x 10 mL PFS sodium bicarbonate 4.2% x 5 mL vial	<b><u>Alternate Product:</u></b> sodium bicarbonate <b>8.4% x 50 mL vial</b>	
		<b><u>Product Differences:</u></b> concentration: 8.4% volume: 50 mL format: vial
	<b><u>to achieve 4.2% concentration:</u></b> 1) withdraw sodium bicarbonate 8.4% x 5 mL 2) dilute 1:1 with sterile water for injection x 5 mL <ul style="list-style-type: none"> <li>total (final) volume: 10 mL</li> <li>final concentration: 4.2%</li> </ul>	

<b>August 29, 2025</b> For the information of physicians, nurses, and pharmacists. <b>PLEASE POST</b>	Drug Shortage		<b>For further information contact:</b>  <b>Ryan Doerksen</b> Medication Use Management Pharmacist mum pharmacist@northernhealth.ca
	Drug Discontinuation	✓	
	Product Change	✓	
	Best Practice		