

# Overfill & Intermittent IV Medications

## What do I need to know about overfill?

- All IV bags have some overfill volume. This varies by brand and size of the bag
- Accounting for overfill helps with accuracy of fluid volumes, total medication delivery and medication administration times
- VIAFLEX (Baxter bags) are the most common brand, but others are used
- VTBI is the labelled volume of an IV bag plus the overfill volume (see table) and medication volume (if applicable)

## What is changing?

- Provincially standardized method to calculate “VTBI” by including IV bag overfill for intermittent medication ONLY at this time, when administering with B Braun pump.
- Continuous infusions and overfill will come, but will require a pump update first

VIAFLEX bags (Baxter)		
Labeled Volume	Overfill	Total Volume
25 mL	5 mL	30 mL
50 mL	8 mL	58 mL
50 mL MINIBAG PLUS	8 mL	58 mL
100 mL	10 mL	110 mL
100 mL MINIBAG PLUS	10 mL	110 mL
250 mL	25 mL	275 mL
250 mL MINIBAG PLUS	25 mL	275 mL
500 mL	48 mL	548 mL
1000 mL	50 mL	1050 mL

PAB bags (B Braun) - Non-DEHP, Non-PVC		
Labeled Volume	Overfill	Total Volume
25 mL	5 mL	30 mL
50 mL	7 mL	57 mL
100 mL	9 mL	109 mL

FREEFLEX bags (Fresenius Kabi) - Non-DEHP, Non-PVC		
Labeled Volume	Overfill	Total Volume
50 mL	5 mL	55 mL
100 mL	9 mL	109 mL
250 mL	16 mL	266 mL
500 mL	28 mL	528 mL
1000 mL	42 mL	1042 mL

EXCEL bags (B Braun) - Non-DEHP, Non-PVC		
Labeled Volume	Overfill	Total Volume
250 mL	20 mL	270 mL
500 mL	32 mL	532 mL
1000 mL	58 mL	1058 mL

VIAFLO bags (Baxter) - Non-DEHP, Non-PVC		
Labeled Volume	Overfill	Total Volume
250 mL	21 mL	271 mL
500 mL	30 mL	530 mL
1000 mL	37 mL	1037 mL

### VTBI Calculation Example

50mL Minibag + 8mL overfill + 5mL med = 63mL VTBI

50mL MINIBAG PLUS + 8mL overfill + 0mL med (powder) = 58mL VTBI