



# Did You Know?

## Health PEI

### Concentrated Insulin

In order to allow for higher doses of insulin to be administered without resorting to multiple injections, some insulins are available in a concentrated format. To minimize the risk of error, concentrated insulin products are always supplied as a prefilled pen device.

Insulin is a **high-alert medication**, meaning that it has the potential to cause patient harm when administered in error. Insulin is one of the medications most frequently reported in harm incidents.<sup>1</sup>

**The Health PEI Formulary includes the following insulins that are available in multiple concentrations:**

Insulin degludec: Tresiba® 100 unit/mL and Tresiba® 200 unit/mL

Insulin glargine: Lantus® (or Basaglar®) 100 unit/mL and Toujeo® 300 unit/mL

#### IMPORTANT

The dose counter on the insulin pens shows the exact number of insulin units to be delivered to the patient. **A unit is a unit, no matter the volume.**

**NO ADJUSTMENT IS NECESSARY**

	Tresiba® FlexTouch 100 unit/mL	Tresiba® FlexTouch 200 unit/mL
<b>Image</b>		
<b>Pen Contains</b>	300 total units	600 total units
<b>Maximum single dose</b>	80 units	160 units
<b>Dose increments</b>	1 unit	2 unit
<b>Label</b>	Light green	Dark green

#### Example:

If there is an order for 20 units, dial the pen to 20 units, no matter which concentration is used.

**No dose calculation or adjustment is required;** the pen will adjust the volume to deliver the correct dose.

1. Medications Most Frequently Reported in Harm Incidents over the Past 5 Years (2015 – 2020). *ISMP Canada Safety Bulletin*. vol. 20(11). December 22, 2020. <https://ismpanada.ca/wp-content/uploads/ISMPCSB2020-i11-Medications-Reported-Harm.pdf>