

## HOW TO ADJUST THE CORRECTION BOLUS

These adjustment guidelines are provided for information purposes only and are not a substitute for advice from your healthcare team.

Speak to your healthcare team at any time, as needed.

This section does not apply to hybrid closed-loop systems that don't allow to adjust the sensitivity factor (e.g., 770g from Medtronic). If you are using Tandem Control IQ, the duration of action of insulin is fixed at 5 hours. In this case, use the following method, replacing 4 hours with 5 hours.

**I need to consider the following points BEFORE I take a correction bolus and assess its impact. They will help me validate whether an adjustment is needed or not.**

**Before performing the test, I make sure that:**

- I perform this test when my **blood sugar is high, but not too high (10 to 15 mmol/L)**.
- The insulin dose **I take for carbs is correct** (if applicable).
- **I have not taken a correction bolus in the last 4 hours.**
- **I do not eat carbs or do physical activity** for 4 hours after taking the correction bolus.

If all the conditions above are met, I can take a correction bolus and assess its effect.

I check my **blood sugar 4 hours later.**

**Four hours later, my blood sugar should have returned to target levels** (e.g., between 4.0 and 7.0 mmol/L).

I need to take the time to assess the impact of several correction boluses before I make an adjustment.

**If my blood sugar is below or above my target level 4 hours later, or if I have hypoglycemia during the test, my correction bolus needs to be adjusted.**

▼ **BLOOD SUGAR READING 4 hrs after the bolus** ▼

**BELOW** my target  
or  
episode of **HYPOGLYCEMIA**  
**during or at the end of the test**

**ABOVE** my target  
**at the end of the test**

▼ **WHAT SHOULD I DO?** ▼

**INCREASE**  
my sensitivity factor

**DECREASE**  
my sensitivity factor

▼ **BY HOW MUCH?** ▼

If the current sensitivity factor is **less than or equal to 3:**

**+ 0.5**

**- 0.5**

If the current sensitivity factor is **greater than 3**

**+ 1.0**

**- 1.0**

I need to remember to assess the adjustment that I made when I take the next correction boluses to make sure it's working.