HOW TO ADJUST insulin-to-carb ratios (insulin pump)

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.

Choose the ratio you want to assess.

Conditions to perform the test

- Not having had any hypoglycemic episodes in the last six hours.
- Not having taken a bolus for at least the past five hours.
- Not having eaten in the last three hours.
- Having your meal in the scheduled time slot for the ratio to be tested.
 (E.g., if the time slot for the breakfast ratio is scheduled from 6:00 to 10:30 a.m., make sure to have breakfast between 6:00 and 10:30 a.m.)
- Having a meal with a carb count that you know precisely.
- Eating a moderate amount of carbs (45 to 60 g).
- Choosing a balanced meal (low in fat).
- Taking the bolus 10 to 15 minutes before eating (exception: if you take Fiasp® insulin, take the bolus 5 minutes beforehand).
- Not taking any correction boluses.
- Refraining from physical activity during the test.

Your blood sugar should be between 4 and 10 mmol/L before your meal to begin the test.

If you have a CGM, downloading and analyzing its data can help you evaluate and determine how to adjust your insulin-to-carb ratios.



1- CHECK MY BLOOD SUGAR LEVEL BEFORE AND 4 HOURS AFTER THE MEAL

Record your results in the tables included at the end of this document and calculate the variation in your blood sugar since the beginning of the test. (See the example below)

Blood sugar le at the beginnir the test (before the mea	vel Bloods at th th (4 hrs af	Sugar level e end of e test ter the meal)Blood s variat (from beginning)	sugar tion ing of test)
6.7		+ 3. (10.5 - 6.)	8 7 = 3.8)

CAUTION!

If you go into hypoglycemia, you need to stop the test and correct the situation by eating carbs. If this happens again when I redo the test, I will need to adjust my ratio.

2- ASSESS THE RATIO FOR THE SAME MEAL AT LEAST 3 TIMES (ON 3 DIFFERENT DAYS)







Fact sheet taken from the SUPPORT training platform Developed by the BETTER project ©Montreal Clinical Research Institute/McGill University



