

Adjusting Your Diabetes Medicine and Diet for a Hydrogen Breath Test for Small Intestine Bacterial Overgrowth

This test is used to find out if you have too much bacteria (overgrowth) in your small intestine. You'll have to drink liquid that has 75 g of glucose for the test.

Follow the instructions your GI Clinic gives you about when and what to eat and drink before the test.

If you see a diabetes educator or diabetes specialist, contact them at least 1 week before your test to ask about adjusting your diabetes medicine or insulin.

Testing Your Blood Sugar

Test your blood sugar anytime you feel your blood sugar is low or high.

- Test your blood sugar at least every 4 hours. Blood sugars in the range of 8 to 12 mmol/L are fine for this test, even if it's higher than your usual target.
- If you have type 1 diabetes and your sugars are over 14 mmol/L, test your urine or blood for ketones.
 - If positive for ketones, you may need extra insulin. Moderate to large ketones may mean that you're in DKA (diabetic ketoacidosis) and need to go to the Emergency Department right away.
- If you're worried about your blood sugar level, speak with your healthcare provider or diabetes educator.

Adjusting Your Diabetes Medicine

If You Take Insulin

The Day Before the Test

Supper

- Premix Insulin:** Reduce your dose of premix insulin (Humulin 30/70[®], Novolin 30/70[®], or Humalog 25/75[®]) by 25% (or the amount your healthcare provider tells you).

Your dose will be _____ units.

- All other insulin:** All doses stay the same.

Evening/Bedtime

- Basal Insulin:** Reduce your dose of basal insulin (Humulin N[®], Novolin[®] NPH, Lantus[®], Basaglar[®], Toujeo[®], Levemir[®] or Tresiba[®]) by 25% or the amount your healthcare provider tells you. Tresiba[®] may need to be reduced for 2–3 days before the procedure. Talk with your healthcare provider.

Your dose will be _____ units.

- Insulin Pump:** You may need to reduce your basal rate by 10% to 20% overnight if there are concerns about low blood sugar. If there are no concerns, keep the same basal rate.

Test Day

Morning

- Bolus (meal) Insulin: Don't take** your morning bolus (meal) insulin (Apidra[®], Humalog[®], NovoRapid[®], Fiasp[®], Humulin R[®], or Novolin[®] Toronto).
- Premix Insulin: Don't take** your morning premix insulin (Humulin 30/70[®], Novolin[®] 30/70[®], or Humalog 25/75[®]).
- Basal Insulin:** Reduce your dose of basal insulin (Humulin N[®], Novolin[®] NPH, Lantus[®], Basaglar[®], Toujeo[®], Levemir[®] or Tresiba[®]) by 25% or the amount your healthcare provider tells you. Tresiba[®] may need to be reduced for 2–3 days before the procedure. Talk with your healthcare provider.
Your dose will be _____ units.
- Insulin Pump:** You may need to reduce your basal rate by 10% to 20% if there are concerns about low blood sugar. If there are no concerns, keep the same basal rate.

***Be sure to bring a source of fast-acting sugar and your blood glucose meter with you.**

During the Test

You'll be given a 75 g glucose/water solution to drink.

- Bolus:** Reduce your dose of meal (bolus) insulin (Apidra®, Humalog®, NovoRapid®, Fiasp®, Humulin R®, or Novolin® Toronto) by 25% or the amount your healthcare provider tells you, and **take it before** you drink the solution.

Your dose will be _____ units.

- Premix insulin:** Reduce your dose of morning premix insulin (Humulin 30/70®, Novolin 30/70®, or Humalog 25/75®) by 25% (or the amount your healthcare provider tells you) and **take it before** you drink the solution.

Your dose will be _____ units.

After the Test

- Take your diabetes medicine as per your next scheduled dose.

If You Take Diabetes Medicine Other Than Insulin

The Day Before the Test

- Take your diabetes medicine as usual or as your healthcare provider tells you.

Test Day

- Don't take any diabetes medicine until after your test is done and you're eating. Then take it as per your scheduled dose.

***Be sure to bring a source of fast-acting sugar and your blood glucose meter with you.**

This material is for information purposes only. It should not be used in place of medical advice, instruction, and/or treatment. If you have questions, speak with your doctor or appropriate healthcare provider.

