

MEDTRONIC GLUCOSE SENSOR

SITE MANAGEMENT & TAPE TIPS

Welcome! Whether you're new to using glucose sensors or have lots of experience, this resource is designed to provide you with many helpful tips to insert and secure your sensor sites. Please speak to your diabetes healthcare professional to ensure you get the support you need on your sensor journey. A few important notes before you get started:

- If you are new to sensor insertion, please ensure you review the insertion training resources (training guide and video) and work with your trainer to ensure you are very comfortable with the process.
- Be sure to clean the skin and allow to dry before inserting your sensor.
- A new sensor should be inserted in an area where the adhesive will not cover up the most recent sensor site to promote healing.

PREPARING YOUR SENSOR SITE

When preparing your sensor site, you may consider a skin prep wipe to clean and prepare the site.

Skin Prep Wipes

Product	Description	Where to Purchase
Skin Prep™ by Smith & Nephew, Inc. Fabric	Protects skin from irritation caused by tapes and adhesives	Medtronic eShop www.medtronicdiabetes.ca/eshop

INSERTING YOUR SENSOR

For extra adhesion (stickiness) on your sensor site, you may consider using either a liquid adhesive or an under-bandage option.

Liquid Adhesives – may be used to increase adhesion (stickiness) between the skin and the tape. The “do-nut method” of insertion is required if you intend to use a liquid adhesive – please see method described below.

Liquid Adhesives

Product	Description	Where to Purchase
Skin-Tac™ by Torbot Group/ Mason Labs	Aids in adhesion between skin and tape. Latex free and hypo-allergenic	Medtronic eShop www.medtronicdiabetes.ca/eshop

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SANDWICH TAPE METHOD:

1. Apply barrier wipe in a circular motion leaving a small area in the middle product-free
2. Allow 25-30 seconds for adhesive to dry and become 'tacky'
3. Consider applying a second coating
4. Insert site through product-free area
5. Smooth over tape with your finger to ensure a good seal

UNDER BANDAGE OPTIONS:

For sensitive skin, or if you prefer a barrier between your skin and the sensor tape, you may consider an under-bandage option, which is a thin film (tape) placed on the skin prior to sensor insertion.

The "sensor tape method" of insertion is required if you intend to use an under-bandage option.

Product	Description	Where to Purchase
Polyskin II™ Tape Dressing	Oxygen and moisture vapor permeable transparent tape to keep the skin dry and more comfortable at the insertion site	Medtronic eShop www.medtronicdiabetes.ca/eshop
IV 3000™ Dressing	Transparent moisture responsive film dressing	
3M Tegaderm™ Transparent Dressing	Clear tape dressing that adheres well when exposed to moisture	

SENSOR TAPE INSERTION METHOD:

1. Prepare skin and allow to dry
2. Apply barrier wipe in a circular motion as described above
3. Apply adhesive film dressing that has been cut to allow sensor to be inserted directly into skin (ie. IV3000 Infusion Site™)
4. Insert sensor and smooth adhesive to ensure a secure attachment
5. Consider Sports Adhesive bandage (ie. GrifGrips™ Mefix™) for your second tape

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SECURING YOUR SENSOR AND TRANSMITTER

Once your glucose sensor is inserted and the transmitter is attached, it is important to secure the site with tape to hold it in place. If you prefer an alternative to the tapes that were provided with your glucose sensors, you may explore options on this list as alternatives. For patches and over tape, insert the sensor and connect the transmitter without using oval tape. Ensure your sensor session has started and the warm-up bar is seen on your pump screen prior to taping. Place patch/tape over entire sensor and transmitter.

Product	Description	Where to Purchase
Pump Peelz™	Hypoallergenic, water resistant adhesive and latex-free oval tape	https://pumppeelz.com
Patchabetes™	Medical grade, hypoallergenic, latex free, waterproof adhesive patch	www.mypatchabetes.com
Grif Grips™	Flexible fabric tape that is breathable and keeps moisture out	www.grifgrips.com
RocaDex™	3M medical grade hypoallergenic longer wearing tape	https://rockadex.com.au
KT Tape™	Moisture wicking, ultra-durable synthetic fabric with elastic cores	https://www.kttape.com
Hypafix™	Non-woven fabric made from white polyester material and coated with hypoallergenic adhesive on quick-release backing paper	https://www.amazon.com/smith-nephew-hypafix-/s?k=smith+%26+nephew+hypafix
Simpatch™	Hypoallergenic adhesive that is latex free, waterproof, 100% medical grade acrylic adhesive	https://www.amazon.ca/SIM-PATCH-Adhesive-Patch-Free-style-Libre/dp/B078H9C7YD

Some products may not be available in Canada or licensed in accordance with Canadian Law.

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SKIN SENSITIVITIES, ALLERGIES AND SKIN REACTIONS

If you notice a sensitivity, allergic response or skin reaction with your glucose sensor sites, the following products may be helpful to prevent and resolve them.

PROPHYLAXIS SKIN CARE RECOMMENDATIONS:

- Corticosteroid spray (ex/ Flovent or Flonase)
- Liquid Band-Aid
- Cavilon™ Barrier Wipe
- AllKare™ Protective Barrier Wipe
- Polysporin™ in the Nose for Staph bacteria carriers
- Hydrocolloid/Hydro Seal Tough Pad

PROMOTING HEALING:

- Moisturize if skin is intact at removal
- If skin is intact but irritated or itchy, use Benadryl™ spray or hydrocortisone cream
- If skin is broken but not infected, an over the counter antimicrobial agent such as Polysporin™ may be applied

ISSUE SOLVING

For challenges with pain or bleeding upon insertion, the following table provides a few suggestions you may find helpful.

Issue	Consideration
Pain on insertion	<ul style="list-style-type: none">• Apply ice on the skin to numb it prior to insertion• Discuss with your health care provider topical anesthetic numbing agents. Ensure if a topical agent is being used that the sensor is not inserted through the agent as it may impact accuracy of the sensor.• After insertion, if pain persists, this may indicate that sensor was inserted into muscle which may warrant a sensor change
Bleeding on insertion	<ul style="list-style-type: none">• Try putting ice on the sensor site prior to insertion to reduce blood flow to the area• Avoid pushing hard on theserter on insertion as this can increase the chance of bleeding