

t:slim X2™ Insulin Pump with Basal-IQ Technology

Training Checklist



Patient Information

Patient's Full Name	Date of Birth (DD/MM/YYYY)	Pump Serial Number
Training Date	Healthcare Professional (HCP) Name	<input type="checkbox"/> New to Pump Therapy <input type="checkbox"/> Currently on Pump Therapy <input type="checkbox"/> Currently on CGM
BG Before Training	<input type="checkbox"/> Insulin Start	<input type="checkbox"/> Saline Start

Knowledge Assessment

- Most recent diabetes education provided by: _____ Date: _____
- Pump Therapy basic concepts: Basal/Bolus, Insulin to Carb Ratio, Correction Factor, Insulin on Board, single patient use only

Getting Started

- Rechargeable Lithium Polymer Battery, Best Battery Charging Practices, and Initial Message and Charge.
- Type of Insulin:
 - NovoRapid (72hrs) Humalog (48hrs)
- t:slim X2 Insulin Pump with Basal-IQ Technology User Guide

Understanding and Using the t:slim X2 Insulin Pump

Pump Overview: Touchscreen and general navigation

- Screen on/Quick Bolus Button
- Touchscreen - turns off after 3 accidental screen taps
- Screen Lock - turns off pump screen after each interaction
- Home Screen and home "T" button
- Status, Bolus and Options screen
- My Pump Screen
- Keypad Screens: numbers and letters
- Importance of Active Confirmation Screens
- Review the icons and symbols on touchscreen

Personal Profiles

- Pump Settings: quick bolus, max bolus, basal limit
- Creating a new Personal Profile: Name, Timed Settings, Bolus settings
- Edit (Review), Activate, Duplicate, Delete, Rename a Personal Profile

Delivering Boluses

- Standard food bolus, adding multiple carbs, cancelling bolus
- Entering BG value, correction bolus, food bolus with correction
- Extended Bolus
- Quick Bolus

Temporary Basal Rate

- Program, Start and Stop a Temp Rate

Alert & Reminder Settings

- Reminders:** Low BG, High BG, After Bolus BG, Missed Meal Bolus
- Alerts:** Low Insulin, Auto-off (default ON, recommend OFF)

Device Settings

- Display Settings: Screen Time out
- Bluetooth Settings [Leave OFF]
- Time and Date (important for accuracy of settings and data)
- Sound Volume (CGM & Pump); Low, Medium, High or Vibrate
- Security PIN

Pump Info

- Tandem Insulin Pump Serial Number, Customer Care Team contact information, warranty reviewed

Pump History

- Pump History: Delivery Summary, Total Daily Dose, Bolus, Basal, Load, BG, Basal-IQ, Alerts & Alarms, CGM and Complete
- CGM History: Sessions & Calibrations, Alerts & Errors, Complete
- Stop and Resume Insulin delivery

Understanding and Using the t:slim X2 Insulin Pump

Loading Cartridge

- Change Cartridge: 1) use of room temperature insulin 2) filling syringe 3) cartridge filling tips
- Fill Cartridge - minimum/maximum cartridge fill, removing air, troubleshooting air bubbles
- Minimum fill of 95 units plus tubing
- Fill tubing, Fill Cannula, Site Reminder
- Fill estimate volume
- Do not add or remove insulin after the load sequence
- Removal and disposal of used cartridges

Infusion Sets

- Type/Cannula length: _____
- Proper set selection and site placement
- Change every 2-3 days as directed by HCP
- Avoid changing infusion set at bed time
- Check BG 2 hours after site change
- Customise as necessary (adhesive issue, redness, absorption)
- "When in doubt, change it out"

Safety

- Aseptic/clean technique
- Hazards associated with small parts (asphyxiation) and exposure to electromagnetic radiation or MRI

My Dexcom CGM (if applicable)

- Entering transmitter ID, entering sensor code, starting/stopping session
- 10-day sensor wear: hard stop at 10 days
- CGM graph: change display timeline, trend arrows
- CGM alerts: High/Low, Rise/Fall, Out of Range; set volume
- Optimising connection between pump and sensor (pump screen facing out)
- Out of Range Alert must be turned ON to optimise the safety and performance of Basal-IQ feature

t:slim X2 Insulin Pump Delivery Specifications

- 0.1 u/hr minimum basal (0.001 increments)
- 0.05 unit minimum bolus
- 25 unit maximum bolus
- 300 unit cartridge capacity
- Minimum fill of 95 units (supplied with 3 mL syringe)

Basal-IQ Technology (if applicable)

- Uses CGM values to predict sensor glucose 30 minutes into future
- Suspends (stops) basal insulin delivery if predicted sensor glucose value is ≤ 4.4 mmol/L
- Suspends (stops) basal insulin delivery if actual sensor glucose value is ≤ 3.9 mmol/L
- Basal rate delivery automatically resumes when CGM values begin to rise
- Maximum time of insulin suspension is 2 hours out of a cumulative 2.5 hr period
- Basal insulin is either delivering or suspended – not adjusting
- Basal-IQ feature does not replace active diabetes management. Treatment of hypoglycaemia may need to be adjusted. Discuss with HCP
- Turn Basal-IQ feature ON [default is ON]
- Set Suspend and Resume Alerts [default is OFF]
- Out of Range Alert must be turned ON to optimise the safety and performance of Basal-IQ feature
- Screen Icons; Grey diamond (Basal-IQ is ON); red lower half of diamond, red vertical bar during insulin suspension, black S in red box
- Handling of extended boluses and temporary basal rates
- CGM alerts are independent of Basal-IQ feature and can be customised
- Insulin delivery can be manually resumed during a suspension
- Insulin will not re-start automatically after a manual suspension. Will need to manually resume insulin if a bolus is needed during an active suspension

Additional Information

- [Above/Below BG Target and IOB - Bolus Calculator Algorithm](#)

Responding to Reminders, Alerts and Alarms

- Malfunction - call AMSL Diabetes Customer Care Team - 1300 851 056
- Reminders: Low BG and High BG (retest), Site Change, After Bolus BG, Missed Meal Bolus
- Alerts: Low Power, Resume Pump, Max Hourly Bolus, Pump Stopped, Incomplete Bolus, Incomplete Profile, Incomplete Cartridge Load, Incomplete Cannula Fill, Incomplete Tubing Fill, Out of range

- Alarms: Low Power, Shutdown, Empty Cartridge, Cartridge Error, Temperature, Altitude, Occlusion. **Alarms will stop insulin delivery. Respond to alarm quickly and appropriately. Disconnect from insulin pump if malfunction or damage occurs.**

- [diasend by Glooko Getting Started Guide](#), [Link Meter](#), [Download regularly](#)

- [Account Created](#): (email address and password)

Email Address _____

Password _____

Additional Information

- | | |
|---|--|
| <input type="checkbox"/> IPX7 (tested up to 1 metre for 30 minutes) | <input type="checkbox"/> X-ray, extreme temperature, airport travel and hospital precautions |
| <input type="checkbox"/> Back-up plan (injections) discussed with HCP | <input type="checkbox"/> Regular maintenance and cleaning (Storage/Shelf Mode) |
| <input type="checkbox"/> Back-up supplies to carry – daily and for travel | <input type="checkbox"/> Review all Warning/Precautions and Safety Tips (See product User Guide) |
| <input type="checkbox"/> Ordering insulin pump supplies | |

Important Tips

- | | |
|--|--|
| <input type="checkbox"/> When wearing the t:slim X2, never disconnect from the tubing connector | <input type="checkbox"/> Troubleshooting and treating hyperglycaemia per HCP guidelines – occlusions, site issues, air in tubing, loose connections, sickness, pump settings |
| <input type="checkbox"/> At regular intervals, check tubing for air and connector for tight connection. Tighten connector and then twist again | <input type="checkbox"/> Verify that pump settings are correct |
| <input type="checkbox"/> Always disconnect at site before tightening tubing connector | <input type="checkbox"/> Consider IOB and follow HCP recommendations prior to first Tandem Pump bolus |
| <input type="checkbox"/> Call HCP for dosing issues or BG questions | <input type="checkbox"/> Clips, cases, and wearing the Tandem Pump |
| <input type="checkbox"/> When to call Customer Care Team: 1300 851 056 | <input type="checkbox"/> Review Basal-IQ and Dexcom G6 online videos and training modules |

Participant's Signature

(I certify that I was provided education on and have a clear understanding of the items checked above)

Signature

Date (DD/MM/YYYY)

Insulin Pump Trainer Signature

(I certify that I have completed education of the items checked above and have accurately documented the details of the training session)

Signature

Date (DD/MM/YYYY)

3-5 Day Follow Up

- | | | | |
|-------------------------------------|-------------------------------|---------------------------|---|
| <input type="checkbox"/> Phone Call | Trainer Follow Up (Time/Date) | HCP Follow Up (Time/Date) | <input type="checkbox"/> Note sent to HCP |
| <input type="checkbox"/> Visit | | | |

Reminder Tips

- | | |
|--|---|
| <input type="checkbox"/> Infusion set troubleshooting/changing cartridge | <input type="checkbox"/> Tips on proper bolus technique, cancelling a bolus |
| <input type="checkbox"/> Importance of confirmation screens, placement of decimal points | <input type="checkbox"/> Importance of a back-up plan (per HCP guidelines) and supplies |
| <input type="checkbox"/> Importance of accuracy, and verification of current pump settings | <input type="checkbox"/> diasend by Glooko set-up, downloads and reports |
| <input type="checkbox"/> Alerts/Alarms - Occlusion, Auto Off, setting Max Bolus | |

Follow Up Notes:





Shop



Events



Resources

amsldiabetes.com.au

For more information on the t:slim X2 insulin pump, please contact the AMSL Diabetes Customer Care Team on **1300 851 056** or at diabetes@amsl.com.au

amsldiabetes.com.au    



Insulin Pumps are medical aid devices intended for use by patients requiring insulin infusion. Insulin Pumps are not a substitute for, and should not replace, regular communication and training between the patient and the diabetes healthcare team. Pump starts must be performed by a healthcare professional with appropriate Tandem training. It is the patient's responsibility to seek clinical advice from their healthcare professional when necessary and to use the device as per usage instructions and warranty conditions. The Basal-IQ feature relies on current Dexcom G6 CGM (sold separately) sensor readings to function and will not be able to predict glucose levels and suspend insulin delivery if a user's CGM is not functioning properly or his/her pump is unable to receive the CGM signal. It's recommended users always use the components of the pump system (pump, cartridges, CGM, and infusion sets) according to the applicable instructions for use and check them regularly to make sure they are functioning as expected. Users should always pay attention to their symptoms, actively monitor and manage glucose levels and treat according to their healthcare professionals' recommendations. Dexcom and Dexcom G6 are registered trademarks of Dexcom, Inc. in the United States and/or other countries. ARTG 304681. PR-100-412 January 2021