



Insulin Pump Start Orders

PATIENT INFORMATION

PATIENT'S NAME (FIRST, MIDDLE, LAST)	DATE OF BIRTH (MONTH/DAY/YEAR)
HEALTHCARE PROVIDER (HCP)	DATE ORDER REQUESTED (MONTH/DAY/YEAR)

Instructions: HCP to complete Sections 1, 2, and 3, sign and date.

1 Insulin/Saline Training Details: (Note: Tandem pumps are indicated for use with Novolog or Humalog U-100 insulin)

Insulin Start: U-100 Analog Insulin

*AID technology will be turned on unless otherwise noted in additional instructions

OR

☐ Check Box and specify if other than U-100

Analog Insulin: _____

*AID technology will be turned on unless otherwise noted in additional instructions

☐ Saline Start (Rx needed for saline)

*Do not turn Control-IQ technology on when using the pump with saline

For New to Pump Therapy, review transition options below: (Default will be used unless otherwise noted Per HCP Protocol)

Default: Take usual dose of long-acting insulin:

Patient will be instructed to set a temp basal rate to 0% that will end 24 hours after last injection of long-acting insulin at which time Control-IQ Technology can be turned on.

OR

Per HCP Protocol: _____

2 Personal Profile Settings:

New to Pump Therapy:

Use Personal Profile Calculator Settings

HCP to review calculations on pg 2. If other settings are preferred, complete Personal Profile section below.

Start Time	Basal Rate (u/hr)	Correction Factor	Carb Ratio	Target BG
12:00am				110mg/dL

Currently on Pump Therapy:

Default: Use current pump settings, unless HCP completes Personal Profile section below.

If transitioning from an AID system, Tandem recommends HCP recalculate settings and complete Personal Profile below.

OR

Personal Profile: Enter a Start Time, Basal Rate, Correction Factor, Carb Ratio and Target BG for each Time Setting.

Arrows, lines, or quotation marks cannot be accepted.

Start Time	Basal Rate (0.0; 0.1-15U)	Correction Factor (1-600 mg/dL)	Carb Ratio (1-300 g)	Target BG (single number/if left blank default will be 110mg/dL) (70-250 mg/dL)
12:00am				

3 Additional Settings: (If left blank, default will be programmed as noted * below)

Duration of Insulin Action	Max Bolus	Basal Limit	Auto-Off
_____ hours *Default: 5 hours	_____ units *Default: 10 units or patient reported max bolus	_____ units/hour *2x highest basal rate	_____ On/hours *Default: Off

Additional Instructions: _____

By signing below, I have verified that the settings listed above are accurate. If Personal Profile Calculator (pg. 2) was used, I also verified that the Total Daily Insulin Dose (TDI/TDD) units, Weight (lbs.), and calculations are accurate.

HEALTHCARE PROVIDER SIGNATURE X	DATE (MONTH/DAY/YEAR) ____/____/____
---	---

PATIENT'S NAME (FIRST, MIDDLE, LAST)	DATE OF BIRTH (MONTH/DAY/YEAR)
--------------------------------------	--------------------------------

Personal Profile Calculator for MDI Transition to Pump Therapy.

(Calculator should only be used for U-100 insulin)

Instructions: Enter TDD/TDI below (Patient reported) and current body weight (in lbs.) to generate settings.

Total Daily Insulin Dose (TDI/TDD) Long acting + rapid acting	Current Body Weight (lbs.)
_____ units	_____ lbs.

Step 1: Calculate Total Daily Dose (TDD)

		FORMULA	CALCULATION	
Pump TDD	Pump TDD	Injection TDD x 0.75 = Pump TDD ^{1,2}	_____ units/day x 0.75 = <i>Injection TDD</i>	_____ units/day <i>(Pump TDD)</i>
	Weight-based TDD	Weight (lbs.) x 0.23 = Weight-based TDD ^{1,2}	_____ lbs. x 0.23 units = <i>Weight</i>	_____ units/day <i>(Weight-based TDD)</i>
	Averaged Pump TDD	(Pump TDD + Weight-based TDD) ÷ 2 = Averaged Pump TDD ^{1,2}	(<i>Pump TDD</i> units/day + <i>Weight-based TDD</i> units/day) ÷ 2 =	_____ units/day <i>(Averaged Pump TDD)</i>

Step 2: Use Averaged Pump TDD to Calculate the Following Pump Initiation Settings

Basal Rate	Total Daily Basal Units	Pump TDD x % Basal (50%) = Total Daily Basal ^{1,2}	_____ units/day x $\frac{0.5}{\% \text{ Basal}}$ = <i>Pump TDD</i>	_____ units/day <i>(Total Daily Basal)</i>
	Initial Basal Rate	Total Daily Basal ÷ 24 hours = Initial Basal Rate ^{1,2}	_____ units ÷ 24 hours = <i>Total Daily Basal</i>	_____ units/hour <i>(Initial Basal Rate)</i>
Corr Factor	Correction Factor (Insulin Sensitivity Factor)	1700 ÷ Pump TDD = Correction Factor ¹	1700 ÷ _____ units = <i>Pump TDD</i>	_____ mg/dL: 1 unit <i>(Correction Factor)</i>
Carb Ratio	Carb Ratio (Insulin to Carb Ratio)	450 ÷ Pump TDD = Carb Ratio ¹	450 ÷ _____ units/day = <i>Pump TDD</i>	_____ grams: 1 unit <i>(Carb Ratio)</i>

*TDD = Total Daily Dose; TDI=Total Daily Insulin

Warning: Control-IQ technology should not be used by anyone under the age of six years old. It should also not be used in patients who require less than 10 units of insulin per day or who weigh less than 55 pounds.

References:

1 Grunberger, G., Abelson, J., Bailey, T., Bode, B., Handelsman, Y., Hellman, R.,... Tamborlane, W., (2014) Consensus Statement by the American Association of Clinical Endocrinologist/American College of Endocrinology Insulin Pump Management Task Force. Endocrine Practice, 20(5), 463-489.

2 Hinnen D, DeGroot J. Therapy Intensification: Technology and Pattern Management. In: The Art and Science of Diabetes Care and Education, 5th edition. Chicago: Association of Diabetes Care and Education Specialists; 2021: 592-593