



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)

1 Insulin Training Details: Tandem pumps are indicated for use with U-100 Analog insulin. HCP to specify prescribed insulin if other than U-100 Analog insulin: _____

2 Long-Acting Insulin Discontinuation Instructions for Multiple Daily Injections (MDI): Default will be used unless otherwise noted in Additional Instructions Section.

Default: Take usual dose of long-acting insulin. Turn on Control-IQ+ and set a temp basal rate to 0% to end when last injection of long-acting insulin is no longer active.

3 Personal Profile Settings:

Multiple Daily Injections: Option 1

Default: Use Profile Settings Calculator in Pump or on pg. 2 of this form.

Profile Settings Calculator (see page 2)

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

OR

Multiple Daily Injections: Option 2

Complete Personal Profile Table by entering a Start Time, Basal Rate, Correction Factor, Carb Ratio and Target BG for each Time Segment. Arrows, lines, or quotation marks cannot be accepted.

Personal Profile Table

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

Currently Using Pump Therapy:

Default: Use current pump settings unless Personal Profile Table is completed.

Additional Instructions: _____

By signing below, I have verified that the settings listed above are accurate. If Profile Settings 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) ____/____/____
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PATIENT'S NAME (FIRST, MIDDLE, LAST)	DATE OF BIRTH (MONTH/DAY/YEAR)
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Profile Settings Calculator for MDI Transition to Pump Therapy.

IMPORTANT: *Profile Settings calculator should only be used for U-100 analog insulin. Do not use with patients under 6 years of age, in pregnancy or with non U-100 analog insulin. Complete Personal Profile Table on page 1.*

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

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

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

Warning: Control-IQ+ technology should not be used by anyone under the age of two years old. It should also not be used in patients who require less than 5 units of insulin per day or who weigh less than 20 pounds.

References:

1 Grunberger, G., Abelseth, 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