

COMPARISON OF AVAILABLE INSULIN PUMPS

	MEDTRONIC 780G	TANDEM MOBI CONTROL IQ	TANDEM T-SLIM CONTROL IQ	BETA BIONICS ILET	OMNIPOD 5
Does it require tubing to give insulin?	Yes	Yes. Traditional length or 5"	Yes	Yes	No
Does it communicate directly with a meter?	Accu-Check Guide	No	No	No	No
Does it integrate with a CGM?	Medtronic Guardian 4	Dexcom G6 and G7	Dexcom G6 and G7, Freestyle Libre 2 Plus	Dexcom G6 and G7	Dexcom G6
Does it offer closed-loop technology?	Yes, Hybrid	Yes, Hybrid	Yes, Hybrid	Yes	Yes, Hybrid
Can you download software upgrades when available?	No	Yes	Yes	Yes	Yes
Does it suspend basal insulin for low CGM readings?	Yes, suspends when sensor value is "low"	Yes, suspends with predicted low and low sensor value	Yes, suspends with predicted low and low sensor value	Yes	Yes, suspends when sensor value is "low"
What's the least insulin it will deliver?	0.05 for bolus 0.025 for basal	0.05 for bolus 0.01 for basal	0.05 for bolus 0.01 for basal	The closed loop system determines what is needed	0.05 for bolus 0.05 for basal
Does it adjust insulin delivery based on CGM values?	Adjusts based on glucose/corrects automatically	Yes, based on predicted glucose in 30 minutes	Yes, based on predicted glucose in 30 minutes	Yes	Yes, based on predicted glucose in 60 minutes
Programmable Targets	Yes - 100, 110, 120	No, uses target of 112.5 to 160	No, uses target of 112.5 to 160	Yes - 110, 120, 130	Yes - 110, 120, 130, 140, 150
Activity Mode	Temporary target of 150 mg/dl	Target 140 to 160 mg/dl	Target 140 to 160 mg/dl	No	Yes - target 150 mg/dl
Phone App	Android and iPhone compatible with iWatch; no bolus from phone	iPhone	Android and iPhone; bolus from phone	Software and clinic data access only	Android, can bolus from phone

This information is for patient education only and does not represent endorsement of any vendors or products

DIABETES CENTER OF EXCELLENCE

AMBULATORY CARE CENTER (ACC), SECOND FLOOR
55 LAKE AVENUE NORTH, WORCESTER, MA 01655

NEW PATIENTS: **855-UMASS-MD** (855-862-7763)

EXISTING PATIENTS: **508-334-3206**

NS DIAB 0076

Most Recent Review Date: 06/04/24



Diabetes Center of Excellence

WWW.UMMHEALTH.ORG/DIABETES