




Glucose Monitoring System Comparison

Device	FreeStyle Libre 	Dexcom G5 	Medtronic Enlite Glucose Sensor 
System	Flash Glucose Monitoring: shows interstitial glucose level when the reader is waved over sensor	Continuous Glucose Monitoring: interstitial fluid glucose level continuously sent to receiver	Continuous Glucose Monitoring: interstitial fluid glucose level continuously sent to receiver
Sensor Length	14 days	7 days	6 days
Reading	Every minute (stored every 15 minutes)	Every 5 minutes	Every 5 minutes
Calibration	Factory calibrated	Blood Glucose every 12 hours (2 initial)	Minimum every 12 hours
Blood glucose monitoring requirements (finger poke)	<ul style="list-style-type: none"> ▪ Times of rapidly changing glucose (trend arrow straight up or down) ▪ To confirm hypoglycemia ▪ If symptoms do not match sensor reading ▪ If missing trend arrow or current glucose number 	<ul style="list-style-type: none"> ▪ If symptoms do not match sensor reading ▪ If missing trend arrow or current glucose number 	<ul style="list-style-type: none"> ▪ Before making treatment decisions (insulin dosing or hypoglycemia) ▪ If symptoms do not match sensor reading
Cost	Sensor – \$89 (every 2 weeks) Reader – \$50 Starter Kit (2 sensors + reader) - \$227	Sensor – \$85 each (every week) Transmitter – \$389 (every 100 days) Receiver – \$499 or Smart Phone Cost can be reduced through Subscription Service	5 free sensors and 1 transmitter provided with purchase of Medtronic 630G insulin pump Sensor – \$65 (every 6 days) Transmitter - \$350 (1-year guarantee)
Memory	Sensor – 8 hours Reader – 90 days	Receiver – 30 days App – no limit	Transmitter – 10 hours when not in range or transmitting function disabled

Compatibility	<ul style="list-style-type: none"> ▪ Freestyle Libre Software Version 1.0 ▪ Diasend 	<ul style="list-style-type: none"> ▪ G5 mobile app (Apple, Android, Samsung, Nexus) ▪ Dexcom G5 Receiver ▪ Dexcom Clarity ▪ Diasend 	Only for use with Medtronic 630G Insulin Pump and Medtronic CareLink Software
	FreeStyle Libre	Dexcom G5	Medtronic Enlite Glucose Sensor
Key Features	<ul style="list-style-type: none"> ▪ Sensor is water resistant (up to 1 m for 30 minutes) ▪ Predict glucose changes with trend arrows ▪ Glucose averages/patterns/variability information 	<ul style="list-style-type: none"> ▪ Sensor is water resistant (8 feet for 24 hours) ▪ Urgent Hypoglycemia alarm (3.1 mmol/L) ▪ Customizable alarms and alerts for high and low glucose ▪ Predict glucose changes with trend arrows ▪ Data sharing through Dexcom Follow ▪ Transmitter/receiver range 20 feet ▪ Glucose averages/patterns/variability information 	<ul style="list-style-type: none"> ▪ Sensor is waterproof (up to 8 m for 30 minutes) ▪ Predict glucose changes with trend arrows ▪ Customizable alarms and alerts for high and low glucose ▪ SmartGuard Suspend on Low - automatically suspend insulin at customizable glucose level