Superior Accuracy Performance of FreeStyle Libre 3 Sensor in Head-to-Head Study Against Dexcom G7

The first head-to-head study comparing the FreeStyle Libre 3 system and Dexcom G7 system.[1]

Multicenter, single-arm, prospective study to assess point accuracy of FreeStyle Libre 3 system and Dexcom G7 system head-to-head

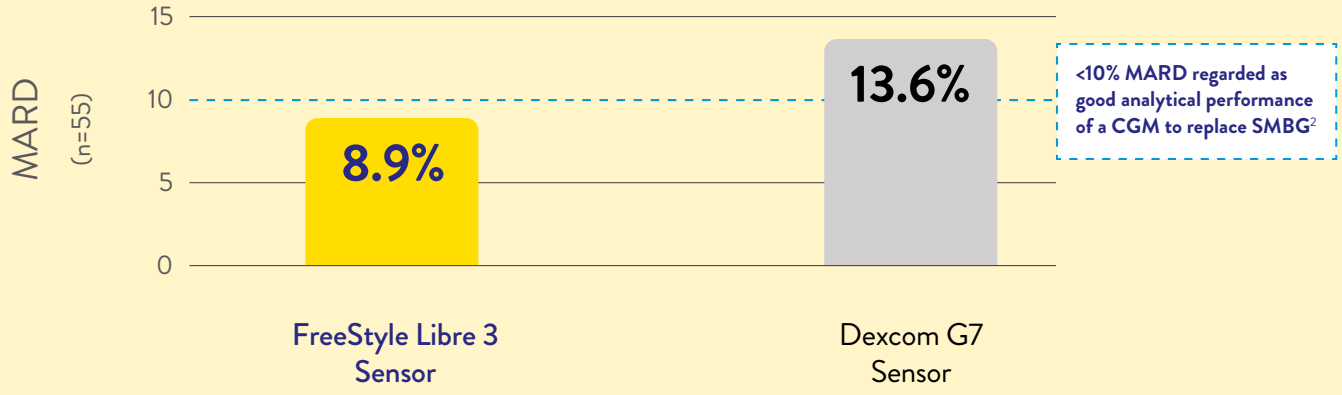
Data was obtained from 55 adult subjects enrolled with T1D or T2D treated with insulin. Subjects wore both sensors simultaneously

Accuracy assessed by comparing CGM sensor data with venous blood glucose levels* and capillary blood glucose values†

STUDY CONCLUSION‡

"The FreeStyle Libre 3 sensor was **more accurate** than the Dexcom G7 sensor in all metrics evaluated throughout the study period."

HEAD-TO-HEAD COMPARISON OF FREESTYLE LIBRE 3 AND DEXCOM G7 SYSTEMS
(VENOUS BLOOD GLUCOSE REFERENCE)



CGM = continuous glucose monitoring; MARD = mean absolute relative difference; SMBG = self-monitoring blood glucose; T1D = type 1 diabetes; T2D = type 2 diabetes.
*Measured using the Yellow Springs Instrument as the laboratory reference in 3 in-clinic sessions of 8 hours.
†Measured using the FreeStyle Libre 14 Day Flash Glucose Monitoring System Reader with FreeStyle Neo test strips at least 8 times per day.
‡Based on a multicenter, nonsignificant risk,head-to-head study comparing FreeStyle Libre 3 and Dexcom G7 sensor data in identical conditions. Outcome measures: differences in mean absolute relative difference, differences in overall percentage ±20 mg/dL/±20. Results from 55 subjects (42 minimum sample size required). Study sponsored by Abbott.

FreeStyle Libre 3 Sensor Significantly Outperforms Dexcom G7 in Head-to-Head Accuracy

	FreeStyle Libre 3 Sensor		Dexcom G7 Sensor
Overall Agreement Against YSI (Percentage ±20mg/dL/±20%)	**91.4%**	Significantly higher agreement with true glucose values	**78.6%**
Sensor Accuracy by Wear Day Compared to YSI Reference			
Day 1	**12.8%**		**14.7%**
Day 2	**8.6%**		**14.6%**
Day 5	**7.9%**	Most accurate throughout wear	**11.2%**
Day 6	**7.3%**		**14.4%**
Day 9	**7.1%**		**13.5%**
Day 10	**7.7%**		**11.0%**

Count on FreeStyle Libre 3 system: Proven most accurate in a head-to-head study that demonstrated superior accuracy vs Dexcom G7.[1]

FreeStyle Libre

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1. Hanson K, et al. Comparison of point accuracy between two widely used continuous glucose monitoring systems. *J Diabetes Sci Technol.* 2024;1-10. doi: 10.1177/19322968231225676

2. Kovatchev BP, et al. Assessing sensor accuracy for non-adjunct use of continuous glucose monitoring. *Diabetes Technol Ther.* 2015;17(3):177-86. doi: 10.1089/dia.2014.0272

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