

## SPECIAL 510(k) SUBSTANTIAL EQUIVALENCE DETERMINATION DECISION SUMMARY

### I Background Information:

#### A 510(k) Number

K191450

#### B Applicant

Dexcom, Inc.

#### C Proprietary and Established Names

Dexcom G6 Continuous Glucose Monitoring System, Dexcom G6 Glucose Program Continuous Glucose Monitoring System, and Dexcom Pro Q Continuous Glucose Monitoring System

#### D Regulatory Information

Product Code(s)	Classification	Regulation Section	Panel
QBJ	Class II	21 CFR 862.1355 - Integrated Continuous Glucose Monitoring System	CH - Clinical Chemistry
QDK	Class II	21 CFR 862.1355 - Integrated Continuous Glucose Monitoring System	CH - Clinical Chemistry
QDL	Class II	21 CFR 862.1355 - Integrated Continuous Glucose Monitoring System	CH - Clinical Chemistry

### II Review Summary:

This 510(k) submission contains information/data on modifications made to the submitter's own Class II device requiring 510(k). The following items are present and acceptable:

The name and 510(k) number of the SUBMITTER'S previously cleared devices: **Dexcom G6 Continuous Glucose Monitoring (CGM) System (K183206), Dexcom G6 Glucose Program CGM System (K182041) and Dexcom Pro Q CGM System (K182405).**

1. Submitter's statement that the **INDICATIONS FOR USE/INTENDED USE** of the modified device as described in its labeling **HAS NOT CHANGED** along with the proposed labeling which includes instructions for use, package labeling, and, if available, advertisements or promotional materials (labeling changes are permitted as long as they do not affect the intended use).
2. A description of the device **MODIFICATION(S)**, including clearly labeled diagrams, engineering drawings, photographs, user's and/or service manuals in sufficient detail to demonstrate that the **FUNDAMENTAL SCIENTIFIC TECHNOLOGY** of the modified device **has not changed. This change was for:**
  - a. A new adhesive patch that will be used to attach the transmitter to the user's body. The new adhesive patch has a different adhesive, release liner and ink compared to the predicate device.
  - b. Updated Receiver Firmware for additional battery indicator levels and associated alerts, and improved touchscreen settings.
  - c. Updates to Apps to improve users displays for Apple device applications and for Google Fit Apps as well as improvements to prevent signal loss.
3. Comparison Information (i.e., similarities and differences) to the submitter's legally marketed predicate device including, labeling, intended use, and physical characteristics.
4. A Design Control Activities Summary which includes:
  - a) Identification of Risk Analysis method(s) used to assess the impact of the modification on the device and its components, and the results of the analysis.
  - b) Based on the Risk Analysis, an identification of the verification and/or validation activities required, including methods or tests used and acceptance criteria to be applied.

The labeling for this modified subject device has been reviewed to verify that the indication/intended use for the device is unaffected by the modification. In addition, the submitter's description of the particular modification(s) and the comparative information between the modified and unmodified devices demonstrate that the fundamental scientific technology has not changed. The submitter has provided the design control information as specified in The New 510(k) Paradigm and on this basis, I recommend the device be determined substantially equivalent to the previously cleared device.