

**SPECIAL 510(k): Device Modification**  
**OIVD Review Memorandum (Decision Making Document is Attached)**

**To:** THE FILE

**RE:** DOCUMENT NUMBER K121133

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This 510(k) submission contains information/data on modifications made to the SUBMITTER'S own Class II, Class III or Class I devices requiring 510(k). The following items are present and acceptable for the *CareSens N Voice Blood Glucose Monitoring System*:

1. The name and 510(k) number of the SUBMITTER'S previously cleared device. *CareSens N Blood Glucose Monitoring System k083468*
2. Submitter's statement that the **INDICATION/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).
3. 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**

- *Addition of voice feature for user convenience*
  - *Addition of user specified hypoglycemia indicator*
  - *Changes to meter shell*
  - *Change in battery type from two 3.0V lithium batteries to two 1.5V alkaline batteries*
  - *Addition of test strip ejector*
  - *Change in memory capacity from 250 measurements to 500 measurements*
  - *Change in average days from 14 days to (1, 7, 14, 30, and 90 days; pre-meal and post-meal)*
  - *Addition of temperature display*
  - *Change in display of temperature error to Lo or Hi if operating outside of range*
4. **Comparison Information** (similarities and differences) to applicant's legally marketed predicate device including, labeling, intended use, and physical characteristics.
  5. 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. (*Failure Mode and Effect 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
    - c) A declaration of conformity with design controls. The declaration of conformity should include:
      - i) A statement signed by the individual responsible, that, as required by the risk analysis, all verification and validation activities were performed by the designated individual(s) and the results demonstrated that the predetermined acceptance criteria were met, and
      - ii) A statement signed by the individual responsible, that the manufacturing facility is in conformance with design control procedure requirements as specified in 21 CFR 820.30 and the records are available for review.

**6. A Truthful and Accurate Statement, a 510(k) Summary or Statement and the Indications for Use Enclosure (and Class III Summary for Class III devices).**

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.

The device is intended for single patient use only. Clorox® Germicidal Wipes cleaner disinfectant towels with EPA registration 67619-12 was validated demonstrating complete inactivation of live virus for use with the meter and lancing device. The sponsor also demonstrated that there was no change in performance or in the external materials of the meter and lancing device after 260 cleaning and disinfection cycles designed to simulate 5 years of device use. Labeling has been reviewed for adequate instructions in validated cleaning and disinfection procedures.