

Winners Gallery

2023 2022 2021 2020 2019 2018 2017 2016 2015 20

2017 Good Design Award

Glucose Monitoring Systems

FreeStyle Libre





Classification tags

Health/Beauty

Winners

Abbott Japan Co., Ltd.

Name of business entity

Abbott Japan Co., Ltd.

Award Number

17G020153

Award Overview

Overview of the 2017 Good Design Awards

Details of the award

This is a new glucose meter that uses flash glucose monitoring technology, which allows measurements to be taken simply by scanning a 500 yen coin-sized sensor attached to the

back of the upper arm with the device. It frees patients from the pain and hassle of finger pricking, and allows them to easily measure glucose levels anytime, anywhere, even over their clothes. As long as the sensor is attached, it continuously and automatically measures and records glucose levels for up to 14 days, allowing patients to check not only the glucose level at the time of measurement, but also blood sugar fluctuations from the past. It is expected to greatly contribute to the realization of good blood sugar control by determining treatment plans and improving lifestyles based on a wealth of reliable blood sugar data.

*This text may have been generated using the automatic translation service DeepL.

producer

Jared Watkin President, Abbott Diabetes Care

Detailed information

› <http://jp.abbott-diabetescare.com/patient/products/#p1>



Release

2017/01/17

price

7,089 yen to 13,900 yen ([Manufacturer's suggested retail price] • 1 FreeStyle Libre Reader: 7,089 yen (excluding tax) • 2 FreeStyle Libre sensors + dedicated blood glucose measurement electrode: 13,900 yen (excluding tax))

Sales area

Domestic

Installation location

A prescription from a doctor at a medical institution is required.

background

In order to achieve the goal of diabetes treatment, it is important to suppress the onset and progression of complications, but to achieve this, it is necessary to accurately grasp

hypoglycemia and blood glucose fluctuations and take appropriate measures. However, it is difficult to accurately grasp hypoglycemia and blood glucose fluctuations with current self-monitoring blood glucose meters, and in addition, there are patients who do not measure their blood glucose at all due to the pain and hassle of finger puncturing during measurement. In recent years, continuous blood glucose monitors have been introduced into clinical practice as a system that can comprehensively evaluate hypoglycemia and blood glucose fluctuations, but daily self-monitoring of blood glucose is necessary to maintain accuracy, and they have not yet been completely free from pain and hassle. In addition, continuous blood glucose monitors are very expensive, so their use is extremely limited. In light of the above background, the emergence of a next-generation glucose monitoring system that anyone can easily and painlessly measure and can comprehensively grasp and evaluate blood glucose fluctuations and hypoglycemia has been desired.

Background and Results

A tool that supports diabetes self-management by allowing users to check sufficient blood glucose information without the pain and hassle of finger pricking.

Designer's thoughts

The biggest needs of patients who self-monitor their blood glucose are "accuracy of the measurement," "reduced pain during measurement," and "low-cost system." In developing and designing the FreeStyle Libre, we always assumed that these needs would be met. In addition, since many patients who measure their blood glucose are elderly, we aimed to build a system that can be operated intuitively. In addition, the sensor was designed so that it can be attached painlessly and easily by the patient himself, not by a medical professional. As a result, we believe that we have succeeded in designing and developing the FreeStyle Libre as a revolutionary measurement that allows anyone to measure blood glucose easily, painlessly, anytime, anywhere, even over their clothes. Moreover, we have been able to keep the selling price lower than previous measuring devices, and we hope that it will be widely used in clinical applications.

specification

<FreeStyle Libre Reader> Size: Width 60 mm x Height 95 mm x Thickness 16 mm Weight: 65g
<FreeStyle Libre Sensor> Size: Diameter 35 mm x Thickness 5 mm Weight: 5g

Where to buy and see it

A prescription from a doctor at a medical institution is required. Please consult your medical institution.

- › [Abbott Blood Glucose Testing Site \(for the general public\)](#) 
- › [myfreestyle.jp \(site for medical professionals\)](#) 
- › [Abbott diabetes-related product information site \(site for patients\)](#) 

*The information listed here is from the time the award was awarded and may be different from the current information.

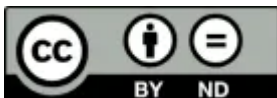
Evaluation by the Jury

Jury member in charge

Mikiya Kobayashi Noriko Kawakami Jin Kuramoto Takemi Matsuyama Carl Liu

Evaluation Comments

It covers all the aspects required for home medical equipment: ease of understanding, ease of use, and ease of storage. In addition, the careful consideration given to the subject during treatment is also appreciated. This glucose monitor system can easily measure glucose levels anytime, anywhere, even over clothing, while minimizing pain to the subject. The simple sensor weighs only 5g, so it does not sacrifice the subject's daily life. I hope that there will be more similar home medical equipment that proposes a wellness lifestyle in the future.



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Rechargeable behind-the-ear hearing aids R4 series



Kanji drill



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**Dry clinical
chemistry analyzer**



**Single-use
automatic lancet**

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