PORTABLE MEDIUM REPLACEMENT SYSTEM

CEME-System

The CEME system is a portable device for the automatic replacement of cell culture media. This product is used in applications for the continuous change of medium in 6-well microtiter plates, such as hiPSC (human induced pluripotent stem cells) or embryoid bodies (EB) of mouse iPS cells.

Due to its compactness and battery operation, it can be used in an incubator on the one hand or placed under a microscope on the other.

Automatic medium replacement

The culture medium is replaced automatically at a specified interval (3, 6, 12 or 24 hours)

Can be used in an incubator

The system can operate continuously for up to 7 days with batteries, and be placed in an incubator without any wiring.

Accommodates a standard 6-well plate

A standard 6-well plate can be used, which reduces running cost and minimises environmental changes resulting from introducing the system.

Observable on a microscope

The 6-well plate can remain in the system and be placed on a microscope stage when you observe the cells, which also reduces environmental changes.

Disposable

All system components that are exposed to the medium can be replaced.

SPECIFICATIONS

	CEME-0102
Dimensions	approx. 194.0 x 228.0 x 140.0 mm (W x D x H)
Weight	approx. 500 g (Medium weight not included)
Power supply	AA alkaline battery
Applicable culture vessel	6 well plate (par expample. Thermo Fisher Scientific Inc.: NUNC #140675 | Sumitomo Bakelite Co., Ltd. MS-80060)
Initilally required medium volume (per well)	3 ml (Volume may slightly vary depending on the type of well plate)
Volume replaced (per well)	2.7 ml (Volume may slightly vary depending on the type of well plate)
Medium replacement interval	3h | 6h | 12h | 24h (adjustable)
Wetted materials	Silicone, Stainless steel SUS304, PP
Bottle capacity	125 ml