Ref. Certif. No.

DK-158970-UL

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product	CO2 incubator
Name and address of the applicant	ESCO MICRO PTE LTD 21 CHANGI SOUTH ST 1 SINGAPORE 486777 Singapore
Name and address of the manufacturer	ESCO MICRO PTE LTD 21 CHANGI SOUTH ST 1 SINGAPORE 486777 Singapore
Name and address of the factory Note: *When more than one factory, please report on page 2*	PT Esco Bintan Indonesia Jalan Asoka Blok D6 - D10 Bintan Industrial Estate Lobam Kepulauan Riau 29154 Indonesia ☐ Additional Information on page 2
Ratings and principal characteristics	Japan: 100Vac, 50/60Hz, max 13.4 A (FLA), 1727.9 W ☒ Additional Information on page 2
Trademark / Brand (if any)	Esco
Customer's Testing Facility (CTF) Stage used	CTF Stage 2
Model / Type Ref.	CCL-BC-D-E-F-G-H-I-J-K-L-M-N, CLM-BC-D-E-F-G-H-I-J-K-L-M-N ☒ Additional Information on page 2
Additional information (if necessary may also be reported on page 2)	National Differences: CA ☐ Additional Information on page 2
A sample of the product was tested and found to be in conformity with	IEC 61010-1:2010, IEC 61010-2-010:2014
As shown in the Test Report Ref. No. which forms part of this Certificate	E248249-D1015-1/A0/C0-CB issued on 2024-10-21

This CB Test Certificate is issued by the National Certification Body

UL Solutions

☐ UL Solutions (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
☒ UL Solutions (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
☐ UL Solutions (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
☐ UL Solutions (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2024-10-30

Signature:
Thomas Wilson

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Additional Model Detail(s):
CelCulture CO2 incubator: CCL-BC-D-E-F-G-H-I-J-K-L-M-N, **CelMate CO2 incubator**: CLM-BC-D-E-F-G-H-I-J-K-L-M-N,
Identifier "B" is the chamber size with 050, 170 and 240 representing 50L, 170L and 240L variants respectively.
Identifier "C" is the sensor options with B being the IR (Infra-Red) sensor and CO2 control, and T is IR sensor with both CO2 and O2 control.
Identifier "D" is the Voltage ratings with -7 referring to Japan, 100Vac, 50/60Hz, -8 is referring to Europe, 220 - 240Vac, 50/60Hz and -9 referring to North America and Canada.
Identifier "E" by default is blank and denotes ULPA filter is installed, otherwise NF (No Filter) used.
Identifier “F” by default is blank and chamber is Stainless Steel, otherwise CU (100% Copper) is used.
Identifier “G” by default is blank and denotes the main door is Curved, otherwise FD (Flat Door) is used.
Identifier “H” by default is blank and denotes unit not installed with Peltier module, otherwise P is used.
Identifier “I” by default is blank denotes unit not installed with UV features, otherwise UV is used.
Identifier “J” by default is blank and denotes the chamber is using normal air jacket, otherwise WJ (Water Jacket) is used.
Identifier “K” by default is blank and denotes the unit exterior is powdered coating electroGalvanized (eG), otherwise SS (Stainless Steel) is used.
Identifier "L" by default is blank and denotes unit with glass door kit, otherwise IVF (In-Vitro Fertilization) is used for sealed inner door kit.
Identifier "M" stands for decontamination type where blank and HITEMP denotes moist heat decontamination type with 90 degree C. HITEMP models are able to carry out decontamination without having the need to remove CO2 sensor. This is not a safety relied upon parameter. Otherwise, HHS (High Heat Sterilization) is used for dry high heat decontamination type with 180 degree C.
Identifier "N" by default is blank (indicating a normal LED display), otherwise TS (Touch Screen controller) is used

Additional Ratings:
US: 110 - 130Vac, 50/60Hz, max 14A (FLA), 1770 W
EU: 220 - 240Vac, 50/60Hz, max 7A (FLA), 1500 W
Refer to test report for details

Additional information (if necessary)

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