

Certificate No.

24PTP_0104240080

Page 1 of 4

Certificate of Calibration

EQUIPMENT : INCUBATORS, INFANT

ID CODE : PTP00489

MANUFACTURER : ATOM

MODEL : RABEE INCU I

SERIAL No. : 2521051

LOCATION : Nursery

SUBMITTED BY : PHYATHAI PHAHOLYOTHIN HOSPITAL

670/1 Phaholyothin Road, Samsen Nai, Phaya Thai, Bangkok 10400

Tel: 02-271-7000 Fax: -

CALIBRATED DATE : 17 APRIL 2024

ISSUE DATE : 3 MAY 2024

Supatcha		むりそれ
	Approved by :	

SUPATCHA BUAPUEAN PHUWASIN YIWKIM

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CONDITION OF THIS RESULT OF TEST

1. REFERENCE STANDARD INSTRUMENT:

MASTERMANUFACTURERMODELSERIAL NO.CERTIFICATE NO.DUE DATEINCUBATORFLUKEINCU II54850013L20230525126 May 2024

AND RADIANT BIOMEDICAL

WARMER ANALYZER

Performed by:

2. THIS CERTIFICATION IS TRACEABLE TO:

- Temperature, Dimension, mass, Anemometer, Electrical/Frequency, Relative Humidity

3. THIS RESULT OF TEST WAS FOUND ACCURATE AS SHOW ON DATE AND PLACE OF TEST ONLY



Certificate No. 24PTP_0104240080

Page 2 of 4

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DATE OF CALIBRATION : 17 APRIL 2024

ENVIRONMENT : TEMPERATURE 24 °C

RELATIVE HUMIDITY 56 %

PROCEDURE USED:

This instrument was calibration by comparison with standard

MEASURMENT RESULT:

/	Without Adjustment		Before Adjustment		After Adjustment
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Skin Probe Temperature				
UUC* Setting	Standard Reading	Error	% Error	Uncertainty
(°C)	(°C)	(°C)	(%)	(°C)
36	35.93	-0.07	-0.21	± 0.0812

Hood Air Temperature T1				
UUC* Setting	Standard Reading	Error	% Error	Uncertainty
(°C)	(°C)	(°C)	(%)	(°C)
30	30.14	0.14	0.48	± 0.0789
34	34.11	0.11	0.31	± 0.0731
37	37.14	0.14	0.37	± 0.0618

Hood Air Temperature T2				
UUC* Setting	Standard Reading	Error	% Error	Uncertainty
(°C)	(°C)	(°C)	(%)	(°C)
30	30.40	0.40	1.34	± 0.0806
34	34.43	0.43	1.26	± 0.0667
37	37.36	0.36	0.97	± 0.0698

Hood Air Temperature T3				
UUC* Setting	Standard Reading	Error	% Error	Uncertainty
(°C)	(°C)	(°C)	(%)	(°C)
30	30.15	0.15	0.48	± 0.0754
34	34.12	0.12	0.35	± 0.0644



Certificate No. 24PTP_0104240080

Page 3 of 4

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Hood Air Temperature T3 (Continues)				
UUC* Setting	Standard Reading	Error	% Error	Uncertainty
(°C)	(°C)	(°C)	(%)	(°C)
37	37.20	0.20	0.53	± 0.0821

Hood Air Temperature T4				
UUC* Setting	Standard Reading	Error	% Error	Uncertainty
(°C)	(°C)	(°C)	(%)	(°C)
30	30.42	0.42	1.41	± 0.0811
34	34.41	0.41	1.20	± 0.0618
37	37.34	0.34	0.92	± 0.0765

Hood Air Temperature T5				
UUC* Setting	Standard Reading	Error	% Error	Uncertainty
(°C)	(°C)	(°C)	(%)	(°C)
30	30.55	0.55	1.84	± 0.0910
34	34.65	0.65	1.92	± 0.0635
37	37.67	0.66	1.80	± 0.0951

Humidity				
UUC* Setting	Standard Reading	Error	% Error	Uncertainty
(%RH)	(%RH)	(%RH)	(%)	(%RH)
52	49.50	-2.50	-4.81	± 2.5658

Noise < 60 dB.A					
UUC* Setting	Standard Reading	Uncertainty			
(dB.A)	(dB.A)	(dB.A)			
60	43.45	± 0.6599			

Air Flow < 0.35 m/sec				
UUC* Setting	Standard Reading			
(m/sec)	(m/sec)			
0.35	0.10			

UUC*: Unit Under Calibration



Certificate No. 24PTP_0104240080

Page 4 of 4

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The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%

FI-BME-NHS-CP-010/1 Rev.03 Page 4/4 Issued Date 20/07/2023