

Certificate No.

24PTP_0104240088

Page 1 of 4

Certificate of Calibration

EQUIPMENT : INCUBATORS, INFANT

ID CODE : PTP01085

MANUFACTURER : ATOM

MODEL : RABEE INCU I

SERIAL No. : 2520528

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

Performed by : ______ Approved by : _____

211764

USANEE CHALONGPHOKSILCHAI 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

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_0104240088

Page 2 of 4

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DATE OF CALIBRATION : 17 APRIL 2024

ENVIRONMENT : TEMPERATURE 25 °C

RELATIVE HUMIDITY 55 %

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)	
35.99	35.90	-0.09	-0.25	± 0.0543	

Hood Air Temperature T1					
UUC* Setting	Standard Reading	Error	% Error	Uncertainty	
(°C)	(°C)	(°C)	(%)	(°C)	
30	30.51	0.51	1.71	± 0.0551	
34	34.52	0.52	1.51	± 0.0546	
37	37.53	0.52	1.42	± 0.0558	

Hood Air Temperature T2						
UUC* Setting	Standard Reading	Error	% Error	Uncertainty		
(°C)	(°C)	(°C)	(%)	(°C)		
30	30.71	0.71	2.37	± 0.0549		
34	34.83	0.83	2.43	± 0.0630		
37	37.68	0.68	1.84	± 0.0545		

Hood Air Temperature T3						
UUC* Setting	Standard Reading	Error	% Error	Uncertainty		
(°C)	(°C)	(°C)	(%)	(°C)		
30	30.46	0.46	1.54	± 0.0557		
34	34.44	0.44	1.30	± 0.0569		



Certificate No. 24PTP_0104240088

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	37.42	0.42	1.14	± 0.0551	

Hood Air Temperature T4					
UUC* Setting	Standard Reading	Error	% Error	Uncertainty	
(°C)	(°C)	(°C)	(%)	(°C)	
30	30.72	0.72	2.40	± 0.0561	
34	34.85	0.85	2.49	± 0.0557	
37	37.62	0.62	1.67	± 0.0551	

Hood Air Temperature T5						
UUC* Setting	Standard Reading	Error	% Error	Uncertainty		
(°C)	(°C)	(°C)	(%)	(°C)		
30	30.75	0.74	2.48	± 0.0546		
34	34.86	0.86	2.52	± 0.0545		
37	37.82	0.81	2.20	± 0.0546		

Humidity						
UUC* Setting	Standard Reading	Error	% Error	Uncertainty		
(%RH)	(%RH)	(%RH)	(%)	(%RH)		
54	48.10	-5.90	-10.93	± 2.5658		

Noise < 60 dB.A		
UUC* Setting	Standard Reading	Uncertainty
(dB.A)	(dB.A)	(dB.A)
60	45.10	± 0.4800

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_0104240088

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