

Certificate No.

24PTP\_0104240086

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### **Certificate of Calibration**

EQUIPMENT : INCUBATORS, INFANT, TRANSPORT

ID CODE : PTP01066

MANUFACTURER : ATOM

MODEL : V-707

SERIAL No. : 24Y0066

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

	Usanee
Performed by:	

Approved by :

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



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# **Calibration Report**

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SERIAL No. : 24Y0066

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	35.70	-0.29	-0.81	± 0.0543

Hood Air Temperature T1				
UUC* Setting	Standard Reading	Error	% Error	Uncertainty
(°C)	(°C)	(°C)	(%)	(°C)
30	29.36	-0.64	-2.14	± 0.0545
34	33.33	-0.67	-1.97	± 0.0555
37	36.41	-0.59	-1.59	± 0.0545

Hood Air Temperature T2				
UUC* Setting	Standard Reading	Error	% Error	Uncertainty
(°C)	(°C)	(°C)	(%)	(°C)
30	29.34	-0.66	-2.19	± 0.0545
34	33.38	-0.62	-1.82	± 0.0543
37	36.33	-0.67	-1.82	± 0.0563

Hood Air Temperature T3				
UUC* Setting	Standard Reading	Error	% Error	Uncertainty
(°C)	(°C)	(°C)	(%)	(°C)
30	30.23	0.23	0.75	± 0.0552
34	34.28	0.28	0.82	± 0.0543



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Hood Air Temperature T3 (Continues)				
UUC* Setting	Standard Reading	Error	% Error	Uncertainty
(°C)	(°C)	(°C)	(%)	(°C)
37	37.22	0.22	0.60	± 0.0563

Hood Air Temperature T4				
UUC* Setting	Standard Reading	Error	% Error	Uncertainty
(°C)	(°C)	(°C)	(%)	(°C)
30	29.67	-0.34	-1.12	± 0.0570
34	33.73	-0.28	-0.81	± 0.0546
37	36.81	-0.19	-0.51	± 0.0545

Hood Air Temperature T5				
UUC* Setting	Standard Reading	Error	% Error	Uncertainty
(°C)	(°C)	(°C)	(%)	(°C)
30	29.41	-0.59	-1.96	± 0.0545
34	33.47	-0.53	-1.57	± 0.0552
37	36.49	-0.51	-1.39	± 0.0545

Noise < 60 dB.A					
UUC* Setting	Standard Reading	Uncertainty			
(dB.A)	(dB.A)	(dB.A)			
60	49.10	± 0.4800			

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

### **UUC\***: Unit Under Calibration

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%