

Certificate No. 2

24PTP\_0104240087

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### **Certificate of Calibration**

EQUIPMENT : INCUBATORS, INFANT, TRANSPORT

ID CODE : PTP01050

MANUFACTURER : ATOM

MODEL : V-707

SERIAL No. : 25Y0690

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		むつ
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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SERIAL No. : 25Y0690

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	29.75	-0.25	-0.82	± 0.0545
34	33.74	-0.26	-0.76	± 0.0545
37	36.72	-0.28	-0.76	± 0.0549

Hood Air Temperature T2				
UUC* Setting	Standard Reading	Error	% Error	Uncertainty
(°C)	(°C)	(°C)	(%)	(°C)
30	29.81	-0.19	-0.63	± 0.0545
34	33.74	-0.26	-0.78	± 0.0552
37	36.72	-0.28	-0.76	± 0.0545

Hood Air Temperature T3				
JUC* Setting S	tandard Reading	Error	% Error	Uncertainty
(°C)	(°C)	(°C)	(%)	(°C)
30	30.12	0.12	0.38	± 0.0552
34	34.12	0.12	0.35	± 0.0545



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Hood Air Temperature T3 (Continues)				
UUC* Setting	Standard Reading	Error	% Error	Uncertainty
(°C)	(°C)	(°C)	(%)	(°C)
37	37.12	0.12	0.32	± 0.0557

Hood Air Temperature T4				
UUC* Setting	Standard Reading	Error	% Error	Uncertainty
(°C)	(°C)	(°C)	(%)	(°C)
30	30.03	0.02	0.08	± 0.0546
34	34.00	0.00	0.00	± 0.0543
37	37.04	0.04	0.11	± 0.0551

Hood Air Temperature T5				
UUC* Setting	Standard Reading	Error	% Error	Uncertainty
(°C)	(°C)	(°C)	(%)	(°C)
30	30.14	0.13	0.45	± 0.3063
34	34.07	0.07	0.20	± 0.0545
37	37.05	0.05	0.14	± 0.0587

Noise < 60 dB.A					
UUC* Setting	Standard Reading	Uncertainty			
(dB.A)	(dB.A)	(dB.A)			
60	51.60	± 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%