

Certificate No. 24PTP_0104240161

PHUWASIN YIWKIM

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Certificate of Calibration

EQUIPMENT : VENTILATORS, HIGH FREQUENCY OSCILLATORY

INFANT

ID CODE : PTP00484

MANUFACTURER : SLE

MODEL : SLE5000

SERIAL No. : 52363(2008)

LOCATION : Nursery

SUBMITTED BY : PHYATHAI PHAHOLYOTHIN HOSPITAL

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

Tel: 02-271-7000 Fax: -

CALIBRATED DATE : 19 APRIL 2024

ISSUE DATE : 1 MAY 2024

Supatcha

Performed by: _____ Approved by:

SUPATCHA BUAPUEAN

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CONDITION OF THIS RESULT OF TEST

1. REFERENCE STANDARD INSTRUMENT:

MASTERMANUFACTURERMODELSERIAL NO.CERTIFICATE NO.DUE DATEGas Flow AnalyzerFluke BiomedicalVT650606972523MD115827 Aug 2024

2. THIS CERTIFICATION IS TRACEABLE TO:

- Technology Promotion Association (Thai-Japan)

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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MODEL : SLE5000

SERIAL No. : 52363(2008)

DATE OF CALIBRATION : 19 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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Inspiration Time					
UUC* Setting	Standard Reading	Error	% Error	Uncertainty	
(Sec.)	(Sec.)	(Sec.)	(%)	(Sec.)	
0.3	0.28	-0.02	-6.67	± 0.0035	
0.5	0.48	-0.02	-4.00	± 0.0058	
0.7	0.71	0.01	1.43	± 0.0081	

Breath Rate					
UUC* Setting	Standard Reading	Error	% Error	Uncertainty	
(BPM)	(BPM)	(BPM)	(%)	(BPM)	
60	59.75	-0.25	-0.42	± 0.7000	
80	79.65	-0.35	-0.44	± 0.9292	
100	99.50	-0.50	-0.50	± 1.1547	

I:E Ratio					
UUC* Setting	Standard Reading	Error	% Error	Uncertainty	
((1:x))	((1:x))	((1:x))	(%)	((1:x))	
1	1.00	0.00	0.00	± 0.0231	
2	1.97	-0.03	-1.50	± 0.0462	
3	2.93	-0.07	-2.33	± 0.0693	



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PIP					
UUC* Setting	Standard Reading	Error	% Error	Uncertainty	
(mbar)	(mbar)	(mbar)	(%)	(mbar)	
10	10.54	0.54	5.40	± 0.3138	
20	20.56	0.56	2.80	± 0.3138	
30	30.55	0.55	1.83	± 0.3138	

PEEP					
UUC* Setting	Standard Reading	Error	% Error	Uncertainty	
(mbar)	(mbar)	(mbar)	(%)	(mbar)	
3	3.16	0.16	5.33	± 0.0346	
5	5.40	0.40	8.00	± 0.0600	
7	7.26	0.26	3.71	± 0.0808	

% OXYGEN					
UUC* Setting	Standard Reading	Error	% Error	Uncertainty	
(%O ₂)	(%O ₂)	$(\%O_2)$	(%)	(%O ₂)	
21	21.50	0.50	2.38	± 0.4850	
60	61.30	1.30	2.17	± 1.3857	
100	99.80	-0.20	-0.20	± 2.3095	

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%

FI-BME-NHS-CP-018/5 Rev.03 Page 3/3 Issued Date 20/07/2023