

Certificate No. 24PTP_0104240012

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Certificate of Calibration

EQUIPMENT : VENTILATORS, TRANSPORT

ID CODE : PTP02179

MANUFACTURER : CAREFUSION

MODEL : LTV 1200

SERIAL No. : E71849

LOCATION : Emergency & Ambulance

SUBMITTED BY : PHYATHAI PHAHOLYOTHIN HOSPITAL

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

Tel: 02-271-7000 Fax: -

CALIBRATED DATE : 16 APRIL 2024

ISSUE DATE : 1 MAY 2024

Supatcha コープライ

SUPATCHA BUAPUEAN PHUWASIN YIWKIM

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CONDITION OF THIS RESULT OF TEST

Performed by:

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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SERIAL No. : E71849

DATE OF CALIBRATION : 16 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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TIDAL VOLUME						
UUC* Setting	Standard Reading	Error	% Error	Uncertainty		
(mL)	(mL)	(mL)	(%)	(mL)		
400	406.13	6.13	1.53	± 14.4426		
600	615.28	15.28	2.55	± 21.8215		
800	828.95	28.95	3.62	± 28.9005		

BREATH RATE						
UUC* Setting	Standard Reading	Error	% Error	Uncertainty		
(BPM)	(BPM)	(BPM)	(%)	(BPM)		
30	30.00	0.00	0.00	± 0.3464		
20	20.00	0.00	0.00	± 0.2309		
15	15.00	0.00	0.00	± 0.1732		

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	1.93	-0.07	-3.50	± 0.0462	
3	2.89	-0.11	-3.58	± 0.0695	

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PIP					
UUC* Setting	Standard Reading	Error	% Error	Uncertainty	
(cmH ₂ O)	(cmH ₂ O)	(cmH ₂ O)	(%)	(cmH ₂ O)	
20	18.87	-1.13	-5.65	± 0.3200	
30	28.94	-1.06	-3.53	± 0.3200	
40	38.96	-1.04	-2.60	± 0.3200	

PEEP					
UUC* Setting	Standard Reading	Error	% Error	Uncertainty	
(cmH2O)	(cmH2O)	(cmH2O)	(%)	(cmH2O)	
5	4.61	-0.39	-7.80	± 0.0577	
10	9.64	-0.36	-3.60	± 0.1155	
15	14.90	-0.10	-0.67	± 0.1732	

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%

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