

Certificate No.

24PYT3_DEC12240067

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Certificate of Calibration

EQUIPMENT : MONITORS, BEDSIDE, PHYSIOLOGIC

ID CODE : PYT3_00453

MANUFACTURER : PHILIPS

MODEL : INTELLIVUE MP40(M8003A)

SERIAL No. : DE72885765

LOCATION : LABOR ROOM(ห้องคลอด)

SUBMITTED BY : PHYATHAI 3 HOSPITAL

111 Phet Kasem Rd., Pak Khlong Phasi Charoen, Phasi Charoen Bangkok 10160

Tel: (662) 467-1111 Fax: (622) 467-1111

CALIBRATED DATE : 1 DECEMBER 2024

ISSUE DATE : 30 DECEMBER 2024

Performed by : Approved by : PUKARIN TONGKLIANG

SOM KONKAEW PUKARIN TONGKLIANG

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CONDITION OF THIS RESULT OF TEST

1. REFERENCE STANDARD INSTRUMENT:

MASTERMANUFACTURERMODELSERIAL NO.CERTIFICATE NO.DUE DATETester, Vital SignFLUKEPROSIM 8570205924MD54530 Apr 2025

Simulator

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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MANUFACTURER : PHILIPS

MODEL : INTELLIVUE MP40(M8003A)

SERIAL No. : DE72885765

DATE OF CALIBRATION : 1 DECEMBER 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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Systolic						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(mmHg)	(mmHg)	(mmHg)	(%)	(mmHg)		
60	61.98	1.98	3.30	± 0.0530		
120	118.01	-1.99	-1.66	± 0.0707		
200	201.00	1.00	0.50	± 0.0405		

Diastolic						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(mmHg)	(mmHg)	(mmHg)	(%)	(mmHg)		
30	31.99	1.99	6.63	± 0.0681		
80	77.01	-2.99	-3.74	± 0.0776		
150	150.01	0.00	0.00	± 0.0416		

Heart Rate						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(BPM)	(BPM)	(BPM)	(%)	(BPM)		
60	60.03	0.03	0.05	± 0.0338		
80	80.00	0.00	0.00	± 0.1112		
120	119.99	-0.02	-0.01	± 0.1373		

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%Spo2						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(%SPO ₂)	(%SPO ₂)	(%SPO ₂)	(%)	(%SPO ₂)		
90	91.01	1.01	1.13	± 0.0837		
96	97.02	1.02	1.06	± 0.0391		
100	100.04	0.04	0.04	± 0.0494		

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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