

Certificate No.

24PYT3_DEC12240122

Page 1 of 3

Certificate of Calibration

EQUIPMENT : MONITORS, BEDSIDE, PHYSIOLOGIC

ID CODE : PYT3_02310

MANUFACTURER : PHILIPS

MODEL : INTELLIVUE MP5(M8105A)

SERIAL No. : DE21072996

LOCATION : EMERGENCY(ฉุกเฉิน) (treatment)

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 : 4 DECEMBER 2024
ISSUE DATE : 30 DECEMBER 2024

Performed by:		Approved by :	1
	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



Certificate No. 24PYT3_DEC12240122

Page 2 of 3

Calibration Report

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ID CODE : PYT3_02310

MANUFACTURER : PHILIPS

MODEL : INTELLIVUE MP5(M8105A)

SERIAL No. : DE21072996

DATE OF CALIBRATION : 4 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	61.01	1.01	1.69	± 0.0367
120	118.01	-1.99	-1.66	± 0.0707
200	194.01	-5.99	-3.00	± 0.0848

Diastolic				
Standard Setting	UUC* Reading	Error	% Error	Uncertainty
(mmHg)	(mmHg)	(mmHg)	(%)	(mmHg)
30	30.99	0.99	3.31	± 0.0248
80	82.98	2.98	3.72	± 0.0523
150	144.00	-6.00	-4.00	± 0.0475

Heart Rate				
Standard Setting	UUC* Reading	Error	% Error	Uncertainty
(BPM)	(BPM)	(BPM)	(%)	(BPM)
60	60.05	0.05	0.08	± 0.0487
80	80.00	-0.00	-0.01	± 0.1258
120	120.00	0.00	0.00	± 0.1285

FI-BME-NHS-CP-007/1 Rev.04 Page 2/3 Issued Date 20/07/2024



Certificate No. 24PYT3_DEC12240122

Page 3 of 3

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EQUIPMENT : MONITORS, BEDSIDE, PHYSIOLOGIC

ID CODE : PYT3_02310 SERIAL No. : DE21072996

%Spo2				
Standard Setting	UUC* Reading	Error	% Error	Uncertainty
(%SPO ₂)	(%SPO ₂)	(%SPO ₂)	(%)	(%SPO ₂)
90	91.04	1.04	1.15	± 0.0494
96	97.00	1.00	1.04	± 0.0358
100	100.01	0.00	0.00	± 0.0881

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-007/1 Rev.04 Page 3/3 Issued Date 20/07/2024