

Certificate No.

25PYT3_0101250334

Page 1 of 3

Certificate of Calibration

EQUIPMENT : ANESTHESIA UNITS

ID CODE : PYT3_02913

MANUFACTURER : GE HEALTHCARE

MODEL : AVANCE CS2

SERIAL No. : APKT02967

LOCATION : ANESTHESIA

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 : 15 JANUARY 2025 ISSUE DATE : 25 JANUARY 2025

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Performed by: _____ Approved by:

proved by :

SUPATCHA BUAPUEAN PHUWASIN YIWKIM

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CONDITION OF THIS RESULT OF TEST

1. REFERENCE STANDARD INSTRUMENT:

MASTER MANUFACTURER MODEL SERIAL NO. CERTIFICATE NO. DUE DATE 14 Jun 2025 Flowmeter Tester Drycal Defender 510 118211 24MD826 24MD829 Gas Flow Analyzer Fluke Biomedical 14 Jun 2025 VT650 6069725

2. THIS CERTIFICATION IS TRACEABLE TO:

- Technology Promotion Association (Thai-Japan)
- Technology Promotion Association (Thai-Japan)

3. THIS RESULT OF TEST WAS FOUND ACCURATE AS SHOW ON DATE AND PLACE OF TEST ONLY



Certificate No. 25PYT3_0101250334

Page 2 of 3

Calibration Report

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SERIAL No. : APKT02967

DATE OF CALIBRATION : 15 JANUARY 2025

ENVIRONMENT : TEMPERATURE 23 °C

RELATIVE HUMIDITY 50 %

PROCEDURE USED:

This instrument was calibration by comparison with standard

MEASURMENT RESULT:

/	Without Adjustment		Before Adjustment		After Adjustment
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OXYGEN FLOW RATE					
UUC* Setting	Standard Reading	Error	% Error	Uncertainty	
(LPM)	(LPM)	(LPM)	(%)	(LPM)	
2	1.98	-0.02	-1.25	± 0.0410	
5	5.05	0.05	1.05	± 0.0696	
7	7.12	0.12	1.75	± 0.1003	

N2O FLOW RATE (MIXED O2:N2O = 1:1)					
UUC* Setting	Standard Reading	Error	% Error	Uncertainty	
(LPM)	(LPM)	(LPM)	(%)	(LPM)	
4	3.87	-0.14	-3.37	± 0.0788	
10	9.63	-0.37	-3.68	± 0.1616	
14	13.51	-0.49	-3.50	± 0.1533	

AIR FLOW RATE					
UUC* Setting	Standard Reading	Error	% Error	Uncertainty	
(LPM)	(LPM)	(LPM)	(%)	(LPM)	
2	2.04	0.04	2.00	± 0.0389	
5	5.10	0.10	1.95	± 0.0766	
7	7.14	0.14	2.00	± 0.0998	

FI-BME-NHS-CP-022/1 Rev.04 Page 2/3 Issued Date 20/07/2024



Certificate No. 25PYT3_0101250334

Page 3 of 3

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EQUIPMENT : ANESTHESIA UNITS

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PRESSURE					
UUC* Setting	Standard Reading	Error	% Error	Uncertainty	
(cmH ₂ O)	(cmH ₂ O)	(cmH ₂ O)	(%)	(cmH ₂ O)	
20	20.54	0.53	2.67	± 0.3382	
30	30.23	0.23	0.76	± 0.3392	
40	40.43	0.43	1.07	± 0.3379	

Note: LOCATION: GASTROINTESTINAL LABORATARY (OR2)

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%

End of Report