Certificate of Calibration

EQUIPMENT	:	INFUSION PUMPS
ID CODE	:	PTP02361
MANUFACTURER	:	TOP
MODEL	:	TOP-2200
SERIAL No.	:	GLY2402S
LOCATION	:	Patient Wards 408
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	:	3 MAY 2024

Performed by : Supatcha _____ Approved by : _____

SUPATCHA BUAPUEAN *PHUWASIN YIWKIM*

CONDITION OF THIS RESULT OF TEST

1. REFERENCE STANDARD INSTRUMENT:

MASTER	MANUFACTURER	MODEL	SERIAL NO.	CERTIFICATE NO.	DUE DATE
Infusion Pump Tester	RIGEL Medical	Multi-Flo	23Q-1412	23MD1169	24 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

Calibration Report

EQUIPMENT	:	INFUSION PUMPS	
ID CODE	:	PTP02361	
MANUFACTURER	:	TOP	
MODEL	:	TOP-2200	
SERIAL No.	:	GLY2402S	
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

Flow Rate				
UUC* Setting (ml/hr)	Standard Reading (ml/hr)	Error (ml/hr)	% Error (%)	Uncertainty (ml/hr)
5	4.84	-0.16	-3.25	± 0.0634
80	76.37	-3.63	-4.54	± 0.2650
200	201.61	1.61	0.80	± 0.7143

Occlusion Pressure *< 1000 mmHg*	
UUC* Setting (mmHg)	Standard Reading (mmHg)
1000	350.00

Use IV Set Brand: BEVER Drops/ml: 20 ml.

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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