

Certificate No.

24PTP_0104240212

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Certificate of Calibration

EQUIPMENT : INFUSION PUMPS

ID CODE : PTP01453

MANUFACTURER : TOP

MODEL : TOP-2200

SERIAL No. : ELY8526S

LOCATION : Patient Wards 16

SUBMITTED BY : PHYATHAI PHAHOLYOTHIN HOSPITAL

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

Tel: 02-271-7000 Fax: -

CALIBRATED DATE : 22 APRIL 2024

ISSUE DATE : 3 MAY 2024

Supatcha

SUPATCHA BUAPUEAN Approved by : PHUWASIN YIWKIM

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CONDITION OF THIS RESULT OF TEST

1. REFERENCE STANDARD INSTRUMENT:

MASTERMANUFACTURERMODELSERIAL NO.CERTIFICATE NO.DUE DATEInfusion PumpRIGEL MedicalMulti-Flo23Q-141223MD116924 Aug 2024

Tester

Performed by:

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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EQUIPMENT	:	INFUSION PUMPS		
D CODE	:	PTP01453		
MANUFACTURER	:	TOP		
MODEL	:	TOP-2200		
ERIAL No.	:	ELY8526S		
DATE OF CALIBRA	ATION :	22 APRIL 2024		
			24 00	
ENVIRONMENT	:	TEMPERATURE	24 °C	
		RELATIVE HUMIDITY	56 %	
ROCEDURE USED		comparison with standard		
	•	companison with standard		
MEASURMENT RE	_			
/ Without Adjus	tment	Before Adjustment	After A	Adjustment
Flow Rate				
Flow Rate UUC* Setting	Standard Readi	ng Error	% Error	Uncertainty
	Standard Readi (ml/hr)	ng Error (ml/hr)	% Error (%)	Uncertainty (ml/hr)
UUC* Setting				,
UUC* Setting (ml/hr)	(ml/hr) 4.86 78.83	(ml/hr) -0.15 -1.17	(%) -2.90 -1.47	(ml/hr) ± 0.0799 ± 0.2680
(ml/hr) 5	(ml/hr) 4.86	(ml/hr) -0.15	(%) -2.90	(ml/hr) ± 0.0799
UUC* Setting (ml/hr) 5 80 200	(ml/hr) 4.86 78.83 204.62	(ml/hr) -0.15 -1.17 4.62	(%) -2.90 -1.47	(ml/hr) ± 0.0799 ± 0.2680
UUC* Setting (ml/hr) 5 80 200 Occlusion Pressure	(ml/hr) 4.86 78.83 204.62 e < 1000 mmH	(ml/hr) -0.15 -1.17 4.62	(%) -2.90 -1.47	(ml/hr) ± 0.0799 ± 0.2680
UUC* Setting (ml/hr) 5 80 200 Occlusion Pressure UUC* Setting	(ml/hr) 4.86 78.83 204.62 e < 1000 mmH Standard Readi	(ml/hr) -0.15 -1.17 4.62	(%) -2.90 -1.47	(ml/hr) ± 0.0799 ± 0.2680
UUC* Setting (ml/hr) 5 80 200 Occlusion Pressure UUC* Setting (mmHg)	(ml/hr) 4.86 78.83 204.62 e < 1000 mmH Standard Readi (mmHg)	(ml/hr) -0.15 -1.17 4.62	(%) -2.90 -1.47	(ml/hr) ± 0.0799 ± 0.2680
UUC* Setting (ml/hr) 5 80 200 Occlusion Pressure UUC* Setting	(ml/hr) 4.86 78.83 204.62 e < 1000 mmH Standard Readi	(ml/hr) -0.15 -1.17 4.62	(%) -2.90 -1.47	(ml/hr) ± 0.0799 ± 0.2680
UUC* Setting (ml/hr) 5 80 200 Occlusion Pressure UUC* Setting (mmHg)	(ml/hr) 4.86 78.83 204.62 e < 1000 mmH Standard Readi (mmHg)	(ml/hr) -0.15 -1.17 4.62	(%) -2.90 -1.47 2.31	(ml/hr) ± 0.0799 ± 0.2680

2301/2 New Petchburi Soi 47 (soonvijai), Bangkapi, Huaykwang, Bangkok 10310 Tel: (66) 2762 4000 Fax: (66) 2762 4072