

Certificate No.

24PTP_0104240167

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Certificate of Calibration

EQUIPMENT : INFUSION PUMPS

ID CODE : PTP00293

MANUFACTURER : TOP

MODEL : TOP-2200

SERIAL No. : JLY4967

LOCATION : I.C.U

SUBMITTED BY : PHYATHAI PHAHOLYOTHIN HOSPITAL

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

Tel: 02-271-7000 Fax: -

CALIBRATED DATE : 19 APRIL 2024

ISSUE DATE : 3 MAY 2024

Chakkaphan

CHAKKAPHAN KHAMPHUMI

Performed by:

Approved by:

2101

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

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	: INI	FUSION PUMPS		
D CODE	: PT	P00293		
MANUFACTURER	: ТО	P		
MODEL	: ТО	P-2200		
ERIAL No.	: JLY	Y4967		
DATE OF CALIBRA		APRIL 2024		
			24 °C	
ENVIRONMENT		MPERATURE	24 °C	
	RE	LATIVE HUMIDITY	55 %	
ROCEDURE USED				
This instrument w	as calibration by com	parison with standard		
MEASURMENT RE	SULT:			
/ Without Adjus	tment	Before Adjustment	After .	Adjustment
Flow Rate				
Flow Rate UUC* Setting	Standard Reading	Error	% Error	Uncertainty
	Standard Reading (ml/hr)	Error (ml/hr)	% Error (%)	Uncertainty (ml/hr)
UUC* Setting (ml/hr)	(ml/hr) 5.31	(ml/hr) 0.31		1
UUC* Setting (ml/hr) 5 80	(ml/hr) 5.31 85.94	(ml/hr) 0.31 5.94	(%) 6.20 7.43	(ml/hr) ± 0.0600 ± 0.2600
(ml/hr) 5	(ml/hr) 5.31	(ml/hr) 0.31	(%) 6.20	(ml/hr) ± 0.0600
UUC* Setting (ml/hr) 5 80 200	(ml/hr) 5.31 85.94 218.34	(ml/hr) 0.31 5.94	(%) 6.20 7.43	(ml/hr) ± 0.0600 ± 0.2600
UUC* Setting (ml/hr) 5 80 200 Occlusion Pressure	(ml/hr) 5.31 85.94 218.34 e < 1000 mmHg	(ml/hr) 0.31 5.94	(%) 6.20 7.43	(ml/hr) ± 0.0600 ± 0.2600
UUC* Setting (ml/hr) 5 80 200 Occlusion Pressure UUC* Setting	(ml/hr) 5.31 85.94 218.34 e < 1000 mmHg Standard Reading	(ml/hr) 0.31 5.94	(%) 6.20 7.43	(ml/hr) ± 0.0600 ± 0.2600
UUC* Setting (ml/hr) 5 80 200 Occlusion Pressure UUC* Setting (mmHg)	(ml/hr) 5.31 85.94 218.34 e < 1000 mmHg Standard Reading (mmHg)	(ml/hr) 0.31 5.94	(%) 6.20 7.43	(ml/hr) ± 0.0600 ± 0.2600
UUC* Setting (ml/hr) 5 80 200 Occlusion Pressure UUC* Setting	(ml/hr) 5.31 85.94 218.34 e < 1000 mmHg Standard Reading	(ml/hr) 0.31 5.94	(%) 6.20 7.43	(ml/hr) ± 0.0600 ± 0.2600
UUC* Setting (ml/hr) 5 80 200 Occlusion Pressure UUC* Setting (mmHg)	(ml/hr) 5.31 85.94 218.34 e < 1000 mmHg Standard Reading (mmHg)	(ml/hr) 0.31 5.94	(%) 6.20 7.43 9.17	(ml/hr) ± 0.0600 ± 0.2600

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