

Certificate No.

24PTP_0104240168

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Certificate of Calibration

EQUIPMENT : INFUSION PUMPS

ID CODE : PTP02721

MANUFACTURER : TOP

MODEL : TOP-2200

SERIAL No. : GLY2352S

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

Performed by : CHAKKAPHAN KHAMPHUMI

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

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	: IN	FUSION PUMPS		
D CODE	: PT	P02721		
MANUFACTURER	: ТО	TOP		
MODEL	: TO	TOP-2200		
SERIAL No.	: GL	GLY2352S		
DATE OF CALIBRA	ATION : 19	: 19 APRIL 2024		
ENVIRONMENT	: TE	MPERATURE	24 °C	
	RE	LATIVE HUMIDITY	Y 55 %	
MEASURMENT RE / Without Adjus Flow Rate		Before Adjustment	After A	Adjustment
UUC* Setting	Standard Reading	Error	% Error	Uncertainty
(ml/hr)	(ml/hr)	(ml/hr)	(%)	(ml/hr)
` /	5.18	0.18	3.60	± 0.0600
5		3.75	4.69	± 0.2600
5 80	83.75	3.75	Ī	± 0.7100
	83.75 205.71	5.71	2.86	= 0.7100
80 200	205.71	-	2.86	
80 200 Occlusion Pressure	205.71 e < 1000 mmHg	-	2.86	
80 200 Occlusion Pressure UUC* Setting	205.71 e < 1000 mmHg Standard Reading	-	2.86	2 0.7100
80 200 Occlusion Pressure	205.71 e < 1000 mmHg	-	2.86	2 0.7100

factor k = 2, providing a level of confidence of approximately 95%