

Certificate No. 24

24PTP_0104240046

Page 1 of 2

Certificate of Calibration

EQUIPMENT : INFUSION PUMPS

ID CODE : PTP00379

MANUFACTURER : TOP

MODEL : TOP-2300

SERIAL No. : 15A0144

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 : 16 APRIL 2024

ISSUE DATE : 3 MAY 2024

Chakkaphan

Performed by : CHAKKAPHAN KHAMPHUMI

Approved by:

PHUWASIN YIWKIM

This certificate may not be reproduced except in full unless permission for reproduction has been obtained in writing from the calibration.

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



Certificate No. 24PTP_0104240046

Page 2 of 2

Calibration Report

EQUIPMENT	: INI	FUSION PUMPS		
D CODE		P00379		
	: TO			
IANUFACTURER				
MODEL	: TO	P-2300		
SERIAL No.	: 154	A0144		
DATE OF CALIBRA	ATION : 16	APRIL 2024		
ENVIRONMENT	: TE	MPERATURE	24 °C	
	RE	LATIVE HUMIDITY	55 %	
IEASURMENT RE / Without Adjus		Before Adjustment	After A	djustment
Flow Rate				
UUC* Setting	Standard Reading	Error	% Error	Uncertainty
(ml/hr)	(ml/hr)	(ml/hr)	(%)	(ml/hr)
5	5.40 86.77	0.40 6.77	8.00 8.46	± 0.0600 ± 0.2600
90	80.77		8.91	± 0.2600 ± 0.7100
200	217.81	1 17 81 1		
80 200	217.81	17.81	8.91	± 0.7100
200		17.81 	0.91	1 0.7100
		17.81	6.91	<u> ± 0.7100</u>
200 Occlusion Pressure UUC* Setting (mmHg)	e < 1000 mmHg Standard Reading (mmHg)	17.81	6.91	<u> ± 0.7100</u>
200 Occlusion Pressure UUC* Setting	e < 1000 mmHg Standard Reading]	6.91	<u> </u>