

*Certificate No.* 24PTP\_0104240351

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## **Certificate of Calibration**

EQUIPMENT : INFUSION PUMPS

ID CODE : PTP02504

MANUFACTURER : TOP

MODEL : TOP-2200

SERIAL No. : HL63575

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 : 26 APRIL 2024

ISSUE DATE : 3 MAY 2024

Performed by: \_\_\_\_\_ Approved by: \_\_\_\_\_

USANEE CHALONGPHOKSILCHAI

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 2024Tester

#### 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	: INF	FUSION PUMPS		
D CODE	: PTI	P02504		
MANUFACTURER	: TO	P		
MODEL	: TO	P-2200		
ERIAL No.		63575		
DATE OF CALIBRA		APRIL 2024		
ENVIRONMENT	: TE	MPERATURE	25 °C	
	RE	LATIVE HUMIDITY	55 %	
This instrument was instrument was instrument was instrument with the instrument was instrument.		Before Adjustment		djustment
		_		-
Flow Data				
	Standard Reading	Error	% Error	Uncertainty
Flow Rate  UUC* Setting  (ml/hr)	Standard Reading (ml/hr)	Error (ml/hr)	% Error (%)	Uncertainty (ml/hr)
UUC* Setting				1
UUC* Setting (ml/hr)	(ml/hr)	(ml/hr)	(%)	(ml/hr)
UUC* Setting (ml/hr)	(ml/hr) 5.08	(ml/hr) 0.08	(%) 1.60	(ml/hr) ± 0.0616
UUC* Setting (ml/hr) 5 80 200	(ml/hr) 5.08 86.65 218.45	(ml/hr) 0.08 6.65	(%) 1.60 8.31	(ml/hr) ± 0.0616 ± 0.2606
UUC* Setting (ml/hr) 5 80 200  Occlusion Pressur	(ml/hr) 5.08 86.65 218.45 e < 1000 mmHg	(ml/hr) 0.08 6.65	(%) 1.60 8.31	(ml/hr) ± 0.0616 ± 0.2606
UUC* Setting (ml/hr) 5 80 200  Occlusion Pressur UUC* Setting	(ml/hr) 5.08 86.65 218.45  e < 1000 mmHg Standard Reading	(ml/hr) 0.08 6.65	(%) 1.60 8.31	(ml/hr) ± 0.0616 ± 0.2606
(ml/hr) 5 80 200  Occlusion Pressure	(ml/hr) 5.08 86.65 218.45 e < 1000 mmHg	(ml/hr) 0.08 6.65	(%) 1.60 8.31	(ml/hr) ± 0.0616 ± 0.2606