

Certificate No. 24PTP\_0104240047

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## **Certificate of Calibration**

EQUIPMENT : INFUSION PUMPS

ID CODE : PTP02943

MANUFACTURER : TOP

MODEL : TOP-2200

SERIAL No. : ELZ8611S

LOCATION : Patient Wards 15

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

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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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QUIPMENT	: IN	NFUSION PUMPS		
ID CODE		: PTP02943		
MANUFACTURER		TOP		
MODEL		: TOP-2200		
SERIAL No.		: ELZ8611S		
ATE OF CALIBRA	TION : 16	: 16 APRIL 2024		
NVIRONMENT		EMPERATURE	24 °C	
IVVIICOIVILIVI		ELATIVE HUMIDITY		
ROCEDURE USED	<u>):</u>			
		mparison with standard		
IEASURMENT RE	SULT:			
/ Without Adjust		Before Adjustment	After A	Adjustment
		<u> </u>		
Flow Rate				
UUC* Setting	Standard Reading	1	% Error	Uncertainty
(ml/hr)	(ml/hr)	(ml/hr)	(%)	(ml/hr)
5	5.37	0.37	7.40	± 0.0600
80	85.82	5.82	7.27	± 0.2600
200	214.57	14.57	7.29	± 0.7100
Occlusion Pressure	e < 1000 mmHg			
UUC* Setting	Standard Reading	1		
(mmHg)	(mmHg)			
1000	344.00	-		
1000	311.00			
Use IV Set Brand:	BEVER	Drops	s/ml:	20 ml.
-	·			
UC* : Unit Under	Calibration			
he reported uncertai	nty of measurement	was based on a standar	d uncertainty multir	olied by a coverage

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