

Certificate No.

24PTP\_0104240031

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## **Certificate of Calibration**

EQUIPMENT : INFUSION PUMPS

ID CODE : PTP02641

MANUFACTURER : TOP

MODEL : TOP-2200

SERIAL No. : GLY2386S

LOCATION : Patient Wards 406

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

CHAKKAPHAN KHAMPHUMI

Performed by:

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      |         |            |             |  |
|---|------------------|--------------|-------------------|---------|------------|-------------|--|
| ID CODE                                 |                  | PT           | PTP02641          |         |            |             |  |
| MANUFACTURER                            |                  | TO           | TOP               |         |            |             |  |
| MODEL                                   |                  | : TOP-2200   |                   |         |            |             |  |
| SERIAL No.                              |                  | GLY2386S     |                   |         |            |             |  |
| DATE OF CALIBRATION                     |                  | 16           | 16 APRIL 2024     |         |            |             |  |
| ENVIRONMENT                             |                  | TE           | TEMPERATURE 24 °C |         |            |             |  |
| - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 |                  |              | LATIVE HUMIDITY   |         |            |             |  |
| / Without Adjus                         |                  |              | Before Adjustment | Titel   | Adjustment |             |  |
| UUC* Setting                            | Standard Reading |              | Error             | % Error | Unce       | Uncertainty |  |
| (ml/hr)                                 | (ml/hr)          |              | (ml/hr)           | (%)     | (m         | l/hr)       |  |
| 5                                       | 5.21             |              | 0.21              | 4.20    | ± 0        | ± 0.0600    |  |
| 80                                      | 83.77            |              | 3.77              | 4.71    | ± 0        | .2600       |  |
| 200                                     | 214.28           |              | 14.28             | 7.14    | ± 0        | ± 0.7100    |  |
| Occlusion Pressure                      | e < 1000 mm      | $H_{\alpha}$ | 1                 |         |            |             |  |
| UUC* Setting Standard Reading           |                  |              |                   |         |            |             |  |
| (mmHg)                                  | (mmHg)           |              |                   |         |            |             |  |
| 1000                                    | 337.00           |              |                   |         |            |             |  |
| Use IV Set Brand:                       | BEVER            |              | Drops/ml:         |         | 20 ml.     |             |  |
| TUC* : Unit Under                       | Calibration      |              |                   |         |            |             |  |

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