

## Certificate of Calibration

**Detail :** INFUSION PUMP ID No. : IPD-04  
 Manufacturer : TOP Model : TOP2200 Serial No. : -  
**Department :** โรงพยาบาลหนองหิน Section : IPD  
 หนองหิน จังหวัดเลย

**Room Ambient :** Temperature : 23°C ( 15-25°C ) Humidity : 50 %RH ( 20-85 %RH )

**Cal Date :** 2/10/2022 **Approved Date** 3/10/2022

**Measurement Method :** Follow the infusion/syring pump calibration method of W<sub>6</sub>-CAL-INP-๐๑. By using measuring instruments that have been calibrated by a standardized agency and calibrated under specified environmental conditions.

### Standard Used :

Equipment	Manufacture	Model	Serial No.	Certification No.	Cal Date
Infusion Pump Analyzer	Fluke	IDA 4 Plus	2801063	21MD881	7/16/2021

### Measurement Results :

Flow Rate	UUC Setting (ml/h)	S <sup>TD</sup> Reading (ml/h)	Error (ml/h)	Uncertainty (+/-ml/h)	Accept value (+/-ml/h)
	10.000	9.520	0.480	0.581	1.00
	30.000	29.450	0.550	0.581	3.00
	80.000	79.607	0.393	0.582	8.00

**IV SET >>** nipro **Amount >>** 20 Drop/mL **Occution Pressure >>** mmHg

The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor  $k = 2$ , Providing a level of confidence of approximately 95%

Cal by : Mr.Kitipong Saengkaew

Approved by :

Pht. T.

( Mr.Patchara Temrat )

Biomedical Engineer

**Comment :** This report certifies the calibration results as of the date, the location and the conditions of calibrate only.