

Certificate No.

24PTP_0104240070

Page 1 of 2

Certificate of Calibration

EQUIPMENT : DETECTORS, FETAL HEART, ULTRASONIC

ID CODE : PTP00019

MANUFACTURER : TOITU

MODEL : FD-380

SERIAL No. : 9821R41

LOCATION : Obstetric & Gynecology Center

SUBMITTED BY : PHYATHAI PHAHOLYOTHIN HOSPITAL

670/1 Phaholyothin Road, Samsen Nai, Phaya Thai, Bangkok 10400

Tel: 02-271-7000 Fax: -

CALIBRATED DATE : 17 APRIL 2024

ISSUE DATE : 1 MAY 2024

upatcha		むりとれ
	Approved by :	

SUPATCHA BUAPUEAN 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

Performed by:

1. REFERENCE STANDARD INSTRUMENT:

MASTERMANUFACTURERMODELSERIAL NO.CERTIFICATE NO.DUE DATEFetal SimulatorFlukePS-320283402123MD185812 Dec 2024

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_0104240070

Page 2 of 2

Calibration Report

EQUIPMENT : DETECTORS, FETAL HEART, ULTRASONIC

ID CODE : PTP00019

MANUFACTURER : TOITU

MODEL : FD-380 SERIAL No. : 9821R41

DATE OF CALIBRATION : 17 APRIL 2024

ENVIRONMENT : TEMPERATURE 24 °C

RELATIVE HUMIDITY 56 %

PROCEDURE USED:

This instrument was calibration by comparison with standard

MEASURMENT RESULT:

/	Without Adjustment		Before Adjustment		After Adjustment
---	--------------------	--	-------------------	--	------------------

FETAL RATE								
Standard Setting	UUC* Reading	Error	% Error	Uncertainty				
(BPM)	(BPM)	(BPM)	(%)	(BPM)				
90	90.00	0.00	0.00	± 0.2100				
120	120.00	0.00	0.00	± 0.2800				
150	150.75	0.75	0.50	± 0.8051				
180	180.50	0.50	0.28	± 0.8935				

UUC*: Unit Under Calibration

The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor k = 2, providing a level of confidence of approximately 95%

FI-BME-NHS-CP-021/1 Rev.03 Page 2/2 Issued Date 20/07/2023