

BioProfile Specifications

BioProfile Basic 2/4

Measured Parameters

Basic 2: Gluc, Lac

Basic 4: Gluc, Lac, Gln, Glu

Sample Analysis Time: 2.0 minutes

BioProfile 100 Plus

Measured Parameters:

Gluc, Lac, Gln, Glu, NH_4^+ , pH, Na^+ , K^+

Calculated Parameter: Osm

Sample Analysis Time: 2.0 minutes

BioProfile 300 A/B

Measured Parameters

300A: Ace, PO_4 , Gluc, Lac, NH_4^+ , pH, Na^+ , K^+

300B: Ace, Gly, Gluc, Lac, NH_4^+ , pH, Na^+ , K^+

Calculated Parameter: Osm

Sample Analysis Time: 2.5 minutes

BioProfile 400

Measured Parameters:

Gluc, Lac, Gln, Glu, NH_4^+ , pH, PO_2 , PCO_2 , Na^+ , K^+

Calculated Parameters:

Osm, Air Sat, CO_2 Sat, HCO_3^-

Sample Analysis Time: 3.0 minutes

Parameter	BP 2/4, 100, and 400 and pHox Measuring Range	BP 300 A/B Measuring Range
Glucose	0.2-15.0 g/L	0.0-30.0 g/L
Lactate	0.2-5.0 g/L	0.0-8.0 g/L
Glutamine	0.2-6.0 mmol/L	-
Glutamate	0.2-6.0 mmol/L	-
Ammonium	0.2-25.0 mmol/L	0.2-200.0 mmol/L
pH	5.0-8.0	4.0-8.0
PO_2	0-800 mmHg	-
PCO_2	3-200 mmHg	-
Na^+	40-220 mmol/L	40-220 mmol/L
K^+	1.0-25.0 mmol/L	1.0-25.0 mmol/L
Acetate	-	2.0-200.0 mmol/L
Phosphate	-	0.0-2.0 mmol/L
Glycerol	-	0.0-10.0 g/L

Calibration:

Fully-automatic two-point calibration; single-point calibration with each sample

User-Definable Features:

Parameters to be reported, offset range, units of measure, auto or manual data presentation, date and time, user passwords, out-of-range flagging levels, quality control ranges

Sample Containers:

Test tube, syringe, pipette, flask, sample cup

Sample Size:

0.5mL

Data Transmission Ports:

RS-232 serial

Electrical Requirements:

90 to 230 Volts, 50/60 Hz

System Printer:

52-column thermal

System Size and Weight:

20.5 inches (52 cm) H x 19.2 inches (49 cm) W x

20.7 inches (53 cm) D x Weight: 90 lbs (41 kg)

Certifications:

ISO 9001, CSA, CE



BioProfile pHox

Measured Parameters:

pH, PO_2 , PCO_2

Calculated Parameters:

Total CO_2 , HCO_3^- , Air Sat,

CO_2 Sat

Sample Analysis Time:

45 seconds

Sample Size:

0.3mL

Size and Weight:

15 in H x 12 in W x 15 in D

(38.1 cm H x 30.5 cm W x 38.1 cm D)



21 CFR Part 11 Compliance

21 CFR Part 11 describes regulatory requirements governing electronic signatures and records that assure the integrity of data within a diagnostic instrument such as the BioProfile Analyzer. An optional BioProfile Data Management System (BDM) incorporates effective archival and restorative mechanisms, as well as adequate security features and audit trails, to automatically monitor the creation, modification, and deletion of electronic records. 21 CFR Part 11 compliance is also achieved through OPC connectivity.

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