

SPHERE | Pelorus 1000

Propofol Measurement System



- Outstanding new system for sedation and anaesthesia studies
- Measures propofol concentration in 5 minutes
- Whole blood samples
- No sample preparation required

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RAISING THE STANDARD
OF CRITICAL CARE

This product is intended for research only and is not approved for clinical use.

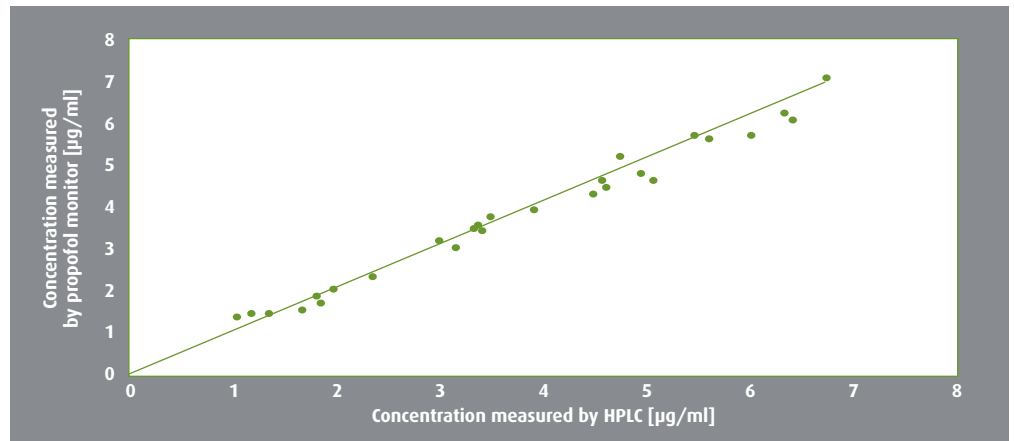
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Performance

Comparison of propofol analyser to HPLC reference method in cardiac surgery patients

Data are from 27 whole blood samples from 11 cardiac surgery patients. All patients were receiving intravenous propofol as part of their anaesthesia, some as part of a total intravenous technique, others in combination with inhaled isoflurane or sevoflurane. Reference method for whole blood analysis used acetonitrile extraction and High Performance Liquid Chromatography (HPLC).



Benefits

Fast results

- 5 minutes' analysis time
- Highly sensitive measurement principle for accurate, reliable results

Easy and convenient operation

- Operation via dedicated touch-screen computer
- Single-use cartridge for each measurement
- No sample preparation required
- Benchtop device with small footprint
- Simple start-up and shut-down

Quality control and calibration

- QC at three concentration levels (provided)
- Simple daily calibration routine

Technical specification

Operating conditions	15°C-25°C, 20-90% RH non-condensing
System voltage requirement	110-240 V ac (50-60 Hz)/120 W
Instrument weight	17.5 kg/38.5 lb
Instrument dimensions (W x D x H)	54 x 37 x 33 cm / 21.5" x 14.6" x 13"
Monitor dimensions (W x D x H)	50 x 15 x 60 cm / 19.7" x 5.9" x 23.6"
Detection principle	Quantitative colorimetric analysis
Sample type	Anticoagulated whole blood
Sample volume	0.7 ml
Sample ID	12 digits alphanumeric
Measurement range	0.0-20.0 µg/ml
Measurement time	5 minutes
Throughput	8 samples per hour
Data storage	Electronic data file
Language	English

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If you would like additional information, or to request a quotation, contact

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