Other Nova Biomedical® Stat and Point-of-Care Products

Nova Biomedical® Multi-Well® Point-of-Care Measuring Systems

These powerful and step-based systems are lab-accurate, whole blood point-of-care analysers that incorporate patented multi-Well technology. Multi-Well technology measures and eliminates interference such as hemolysis, acellular microspheres, sorbitol and alcohol, all of which can cause erroneous results on other whole blood handheld meters.

Other features include:
- Easy, hand-held operation
- Small whole blood samples, as little as 0.7 microliters
- Results as fast as 6 seconds
- No calibration coding
- Single connectivity solution
- Choice of Xpress or Connectivity meter

Electrical Requirements: 115/230 VAC, 50/60 Hz, 200W
Temperature Thermostatting: 37°C ± 0.1°C
RS232 serial, USB (Input only)
ASTM Standard data protocol
ISO 9001 Quality System Registration, CSA, and are easily transported on the un-interruptible power supply.
These analysers weigh less than 9 kg and are fixed at 30 minutes or with each sample; manual calibration is initiated at any time.

Temperature Thermostatting:
- 37°C ± 0.1°C
- USB (Input only)
- RS232 serial, USB (Input only)
- ASTM Standard data protocol
- ISO 9001 Quality System Registration, CSA

Electrical Requirements:
- 90-264 VAC, 50/60 Hz, 200W
- 37°C ± 0.1°C

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Advanced Technology, Low Cost Blood Gas Analysers

Low Cost Blood Gas/Critical Care Testing

Nova Biomedical is a world technology leader in the development of advanced technology, biosensor-based whole blood analysers for stat and critical care testing. Over the last 30 years, Nova has introduced more than 20 whole blood biosensors, including the industry’s first whole blood biosensor to directly measure glucose, lactate, hematocrit, oxygen saturation, and ionized calcium, chloride, creatinine, urea, lithium and magnesium on whole blood. Nova whole blood analysers have earned a reputation for quality and value with over 40,000 analysers sold worldwide.

pHox Models/Menus

pHOx Plus M provides ionized magnesium as part of its test panel. Ionized magnesium is a very important parameter in the delivery of critical care and its test panel. Ionized magnesium is also the main contributor to the cost of gas tanks, measurement of these parameters without the added cost, complexity and sample volume of a CO-Oximeter.

Cost efficient onboard quality control cartridges reduce waste from quality control ampules that discard virtually all of the QC ampule contents. Nova pHOx reagent cartridges eliminate the cost of gas tanks, as many as 5 separate reagents, and waste container replacements.

Measured Hemoglobin, Hct and 50/50% Hematocrit

A unique technology feature of Nova Stat Profile pHOx analysers is their ability to measure hemoglobin, hematocrit and oxygen saturation on each sample. Advanced biosensors, optics and algorithms enable rapid and accurate measurement of these parameters without the added cost, complexity and sample volume of a CO-Oximeter. A complete 11-test profile is available and displayed on screen in only 52 seconds. Throughput rates of 40 to nearly 50 samples per hour can be achieved.

Intuitive screen buttons clearly identify each point-of-care personnel with minimal training.

Bright, Color Touch Screen

The bright, large, color touch-screen interface can be easily operated by clinicians, nurses or other point-of-care personnel with minimal training. Test results are presented on-screen in a large, easy to read format, using symbols and color highlighting. Results - Measured at 37ºC

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
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<tr>
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<tr>
<td>Mg</td>
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<td>mmol/L</td>
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</tbody>
</table>

Easy Capillary or Syringe Sampling

An extra-wide opening to the sampler arm allows easy access and excellent visibility even when very large or very small sample containers are used.

Automated Quality Control

A single on-board Auto-QC cartridge combines multiple levels of liquid control allowing any level of quality control to be run automatically on a programmed schedule. All quality control data is automatically stored. Daily, weekly or monthly cumulative statistical reports and Levey-Jennings graphs can be recalled and printed. All quality control tasks manually are eliminated.

Small Sample Volume

Stat Profile pHOx analysers contribute to blood conservation with sample volumes as low as 45 microliters for blood gases and only 125 microliters for a full 11-test profile.

Snap-in Reagent Cartridge Reduces Maintenance

Stat Profile pHOx uses a single, ready to use cartridge containing all reagents necessary for calibration, sample analysis, and waste collection.