A New Class of Analytical Performance

Eliminates Interferences Due to Hematocrit, Maltose, Galactose, Oxygen, Paracetamol, Ascorbic Acid, and Uric Acid
Eliminates Calibration Codes
Laboratory Quality Accuracy at Extended Hypo and Hyperglycemic Ranges
Fast, 6 Second Results
Small, 1.2 Microliter Sample
Simple, Color Touch Screen Operation
Flexible POC Control

StatStrip® Xpress™ Meter
StatStrip® Connectivity Meter
Eliminates Calibration Codes
StatStrip’s patented Multi-Well technology provides such strict consistency that calibration codes are not necessary.
- Errors due to coding are eliminated
- Testing steps are reduced
- Strip lots can be used interchangeably

Rapidfill™ Prevents Dosing Errors
The StatStrip design incorporates a feature to prevent glucose errors due to over-filling or under-filling of the sensor. Rapidfill electrochemically monitors the blood volume in each of the four measurement wells. Results are reported only if all four measurement wells are filled with blood.

StatStrip™ Xpress™
The StatStrip Xpress meter is an option for hospitals or clinics which do not need data interface/connectivity capability.
- Uses same Multi-Well test strip
- Provides same laboratory quality analytical performance
- Xpress meter is simple, fast and easy to use

Fast, 6 Second Analysis Time
Small, 1.2 Microliter Sample Size
Simple, Color Touch Screen Operation
A New Class of Analytical Performance

StatStrip Multi-Well™ Technology Delivers Lab-Like Analytical Performance

The Nova StatStrip Glucose Monitoring System features a patented Multi-Well™ measuring technology that meets the escalating demands of today’s hospital glucose testing. StatStrip technology elevates bedside glucose monitoring to a level of accuracy, precision, and patient safety that approaches the quality of central laboratory testing.

Measures and Eliminates Hematocrit Interferences

800 Bed Teaching Hospital, Rochester, MN

StatStrip is the only bedside glucose meter to measure and eliminate glucose errors due to varying hematocrit levels. One of StatStrip’s four measuring wells measures hematocrit.

Hematocrit interferences can cause errors as large as 40%.
- Can cause undetected hypoglycemia
- Can cause insulin overdose

Severe hematocrit abnormalities are very common in ICUs.
- Up to 77% of ICU patients have low hematocrit levels.1,2
- Nearly half of ICU patients require red cell transfusions due to low hematocrit. Average hematocrit of these patients pre-transfusion is 22-25%.2,3

Only Bedside Meter to Eliminate Errors Caused by Hematocrit, Maltose, Galactose, Oxygen, and Electrochemical Interferences

Interferences By Test Strip Technology

<table>
<thead>
<tr>
<th>Interferences</th>
<th>Glucose Oxidase Optical</th>
<th>Glucose Oxidase Electrochemical</th>
<th>Glucose Dehydrogenase Electrochemical</th>
<th>Nova StatStrip</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hematocrit</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>Ascorbic Acid</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>Paracetamol (Acetaminophen)</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>Uric Acid</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>Maltose</td>
<td>NO</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>Galactose</td>
<td>NO</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>Oxygen</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
<td>NO</td>
</tr>
</tbody>
</table>

Laboratory Quality Accuracy from 0.5-33.3 mmol/L (10 to 600 mg/dL)

Glucose Regression Analysis

<table>
<thead>
<tr>
<th>Reference mmol/L (mg/dL)</th>
<th>Nova StatStrip</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>5.6 (100)</td>
<td>5.6</td>
</tr>
<tr>
<td>11.1 (200)</td>
<td>11.1</td>
</tr>
<tr>
<td>16.7 (300)</td>
<td>16.7</td>
</tr>
<tr>
<td>22.2 (400)</td>
<td>22.2</td>
</tr>
<tr>
<td>28.9 (500)</td>
<td>28.9</td>
</tr>
<tr>
<td>33.3 (600)</td>
<td>33.3</td>
</tr>
<tr>
<td>38.9 (700)</td>
<td>38.9</td>
</tr>
</tbody>
</table>

% Bias = 1.09  
R²: 0.9950  
SLOPE: 1.018  
INTERCEPT: 0.04 (-0.716)  
N=1703

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**StatStrip® Glucose Strips**

Tests Measured: Blood Glucose, Hematocrit Corrected

Test Reported:.................. Glucose

Test Time: ...........................6 seconds

Test Strip Volume:..................1.2 µL

Test Methodology:..............Electrochemistry

**Sample Types & Operating Modes:**

Whole Blood:..........................Arterial, Venous, Capillary, Neonatal

**Glucose Measurement Range:**

0.5-33.3 mmol/L (10-600 mg/dL)

**Interferences Eliminated:**

Hemocrit, Ascorbic Acid, Uric Acid, Paracetamol (Acetaminophen), Bilirubin, Maltose, Galactose, Xylose, Oxygen

**Operating Ranges:**

Temperature:.............15˚C- 40˚C (59˚F-104˚F)

Altitude:.............Up to 4,570 meters (15,000 feet)

Humidity:...........10% to 90% relative humidity

**Reagents and Strips:**

Strips:.......................Cases of 36 Boxes

50 strips/box

QCs:.................Three levels (Low, Normal, High); sold separately

**Linearity:**......................Five levels available

**Test Strip & QC Stability:**

24 months from date of manufacture

6 months open-vial stability

**Certifications & Compliance:**


**FDA Labeling:**

For in-vitro diagnostic use

**StatStrip® Connectivity Meter**

**Weight:**..................360 g (0.8 lbs)

**Size:**.......................153 mm x 82.5 mm x 46 mm

(6.0 in x 3.25 in x 1.8 in)

**Data Storage:**

Patient Tests:..................1,000 tests

QC Tests:.....................400 tests

Users:.........................200 tests

**Battery Information:**

**Type:**......................3 V Li Button Battery

**Life:**.........................Minimum 600 tests

**Additional Features:**

- LCD black/white display • Large numeric display (30 mm)
  • Traditional QC with target values assigned to QC materials • Units of measure based on meter ordered (mg/dL or mmol/L models)
  • Auto-shut-off of meter when not in use
  • Automatic sample detection and analysis start
  • Automatic sample counter with date/time stamp for data tracking

**Contact Information:**

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