THE NEW AND IMPROVED

AUTOREAD™ PLUS System

DELIVERS BETTER PATIENT CARE AT THE POINT-OF-CARE

Benefits Include:
- L.I.S. Communication Capability
- Bar Code Scanners & Keypad for Data Entry & Positive Patient I.D.
- Improved Optics for Greater Precision
- Quieter Operation
- Expanded Printer Capability Via USB Port Capability

Thousands of practitioners already depend on the QBC AUTOREAD™ Plus System for reliable hematology results from a very simple dry procedure.

AUTOREAD™ PLUS SYSTEM PROVIDES
- Rapid CBC Testing
- Dry Hematology Methodology
- Low Maintenance
- No Clean-up or Liquid Waste Disposal
- 7 Minute Results

GIVING YOU THE TOOLS to optimize medical and economic benefits; the improved QBC® AUTOREAD™ PLUS System with the QBC AccuTube offers the most cost-effective means to achieve excellence in point-of-care hematology testing:

Better Outcomes from rapid and accurate, quantitative CBC results, speeding diagnosis and promoting earlier, more effective treatment & therapy.

Increased Patient Satisfaction from speedy resolutions of clinical presentations, reducing patient anxiety and promoting better compliance with treatment or therapy.

Increased Physician Efficiency because rapid results enhance the differential diagnosis of clinical problems, and accelerate medical decision-making — achieving optimal use of valuable physician time!

Attractive Economics with low capital investment and low cost in use.

The QBC® AUTOREAD™ PLUS System leading the way in point-of-care hematology.
THE BENEFITS OF THE
WORLD’S ONLY DRY HEMATOLOGY SYSTEM!

Table 1
Accuracy Comparison Between The QBC® AUTOREAD™ Plus System With AccuTubes And Coulter® Hematology Analyzers (S Plus, S Plus IV, STKS, STKR)*

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Correlation Coefficient</th>
<th>Slope</th>
<th>Intercept</th>
<th>Range of Values</th>
<th>Number of Samples</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hematocrit (%)</td>
<td>0.993</td>
<td>0.96</td>
<td>2.587</td>
<td>13.8-60.2</td>
<td>294</td>
</tr>
<tr>
<td>Hemoglobin (g/dL)</td>
<td>0.994</td>
<td>0.992</td>
<td>0.05</td>
<td>5.5-19.0</td>
<td>293</td>
</tr>
<tr>
<td>Platelet (x10^9/L)</td>
<td>0.931</td>
<td>0.926</td>
<td>16.463</td>
<td>29-843</td>
<td>278</td>
</tr>
<tr>
<td>WBC (x10^9/L)</td>
<td>0.978</td>
<td>1.045</td>
<td>-0.239</td>
<td>2.1-81.5</td>
<td>282</td>
</tr>
<tr>
<td>Granulocyte (x10^9/L)</td>
<td>0.985</td>
<td>1.071</td>
<td>-0.458</td>
<td>0.7-71.0</td>
<td>277</td>
</tr>
<tr>
<td>Lymph/Mono (x10^9/L)</td>
<td>0.957</td>
<td>0.826</td>
<td>0.614</td>
<td>0.2-76.9</td>
<td>280</td>
</tr>
</tbody>
</table>

*S Products of Coulter Electronics, Hialeah, FL.

Table 2
Accuracy Comparison Between The QBC® Autoread™ Plus System With AccuTubes And The International Microhematocrit Reference Method†

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Correlation Coefficient</th>
<th>Slope</th>
<th>Intercept</th>
<th>Range of Values</th>
<th>Number of Samples</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hematocrit (%)</td>
<td>0.996</td>
<td>1.003</td>
<td>-0.111</td>
<td>17.5-53.1</td>
<td>120</td>
</tr>
</tbody>
</table>

*Reported as Standard Deviation

Table 3
Precision Comparing Typical Within-run Precision Tests On The QBC® AUTOREAD™ Plus Analyzer With Ten Accutubes For Each Of Ten Whole Blood Specimens

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mean Value</th>
<th>Mean C.V.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hematocrit (%)</td>
<td>44.4</td>
<td>0.6%</td>
</tr>
<tr>
<td>Hemoglobin (g/dL)</td>
<td>13.3</td>
<td>0.6%</td>
</tr>
<tr>
<td>Platelet (x10^9/L)</td>
<td>287</td>
<td>4.4%</td>
</tr>
<tr>
<td>WBC (x10^9/L)</td>
<td>8.1</td>
<td>6.3%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Range</th>
<th>S.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Granulocyte (%)</td>
<td>40-80</td>
<td>&lt; 3.3†</td>
</tr>
<tr>
<td>Lymph/Mono (%)</td>
<td>20-55</td>
<td>&lt; 3.3†</td>
</tr>
</tbody>
</table>

*Reported as Standard Deviation

Data analysis
Data processing incorporates various digital filters, pattern recognition and data conversion algorithms. Computations are based on the fact that each QBC Tube exhibits a characteristic signature that must fall within prescribed tolerances. Test results are displayed only when data analysis confirms valid band lengths in at least five of the eight sets of scanning measurements. Validity checks include:

- verification of fill lines and tube identification line
- float position
- meniscus location and detecting of bubbles around meniscus and float
- evaluation of the strength of green and red fluorescence emission for granulocytes, lymphocytes/monocytes and platelets
- determination of interfaces by evaluating rate of change of fluorescence with minimum acceptable values
- algorithmic ratios to test for quality of granulocyte-red cell interface

Operating Ranges
Hematology parameters measured with AccuTubes by the QBC® AUTOREAD™ PLUS analyzer are valid over the following range of values:

- Hematocrit: 15-65%
- Hemoglobin: 5.0-20.0g/dL
- Platelet Count: 20,999-109/L
- WBC Count: 1.6-99.9×10^9/L
- Granulocyte Count: 0.8-70.0×10^9/L
- Lymph/Mono Count: 0.8-99.9×10^9/L

Results that fall outside these ranges will flash on the AUTOREAD Plus display and will be preceded by an asterisk on the printout.

For more information, contact your local distributor or call 866-265-1486 or visit our web site at www.druckerdiagnostics.com