UF-5000™
Fully Automated Urine Particle Analyzer

**Brief Product Description**
Fully Automated Urine Particle Analyzer that uses Fluorescent Flow Cytometry technology to provide reliable, precise and accurate urine particle differentiation and counts.

**Principles and Technology**
UF-5000:
Fluorescent Flow Cytometry with blue semi-conductor laser and hydrodynamic focusing in two separate channels.

**Channels (for UF-5000)**
- **Surface Channel (SF ch):** Analysis of urine particles that do not contain nucleic acid material such as RBCs, casts and crystals.
- **Core Channel (CR ch):** Analysis of urine particles that contain nucleic acid material such as WBCs, epithelial cells and bacteria.

**Parameters**
- **Reportable:** White Blood Cells (WBC), Red Blood Cells (RBC), Epithelial Cells (EC), Casts, and Bacteria
- **Flagged:** Crystals (X'TAL), Yeast Like Cells (YLC), Pathologic Casts (Path CASTS), Sperm, Mucus

**Throughput**
Up to 105/hour

**Sample Volume**
450μL (sampler and STAT mode)

**Linearity**
- WBC: 1.8 – 5,548.3/μL
- RBC: 2.0 – 10,558.9/μL
- EC: 1.4 – 201.7/μL
- CAST: 1.41 – 21.83/μL
- BACT: 4.5 – 9,821.5/μL
<table>
<thead>
<tr>
<th><strong>Body Fluid Analysis</strong></th>
<th>Not available in the U.S.</th>
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<tr>
<td><strong>Quality Control</strong></td>
<td>UF CONTROL™ (2 levels)</td>
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<td>BeyondCare™ Quality Monitor (BCQM)® Simplified and consolidated platform for quality control monitoring</td>
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<td>Comprehensive QC files including current and new lot feature</td>
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<td>50 QC files with 300 plots per file on Urinalysis Data Manager™ (UDM)</td>
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<td><strong>Dimensions and Weight</strong></td>
<td>Main unit including CV-11 sampler</td>
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<td>26” (W) x 36” (D) x 35” (H); 232 lbs</td>
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