

# UF-5000<sup>TM</sup>

## Fully Automated Urine Particle Analyzer



<b>Brief Product Description</b>	Fully Automated Urine Particle Analyzer that uses Fluorescent Flow Cytometry technology to provide reliable, precise and accurate urine particle differentiation and counts.
<b>Principles and Technology</b>	<p><b>UF-5000:</b> Fluorescent Flow Cytometry with blue semi-conductor laser and hydrodynamic focusing in two separate channels.</p>
<b>Channels (for UF-5000)</b>	<p><b>Surface Channel (SF ch):</b> Analysis of urine particles that do not contain nucleic acid material such as RBCs, casts and crystals.</p> <p><b>Core Channel (CR ch):</b> Analysis of urine particles that contain nucleic acid material such as WBCs, epithelial cells and bacteria.</p>
<b>Parameters</b>	<p><b>Reportable:</b> White Blood Cells (WBC), Red Blood Cells (RBC), Epithelial Cells (EC), Casts, and Bacteria</p> <p><b>Flagged:</b> Crystals (X'TAL), Yeast Like Cells (YLC), Pathologic Casts (Path CASTS), Sperm, Mucus</p>
<b>Throughput</b>	Up to 105/hour
<b>Sample Volume</b>	450µL (sampler and STAT mode)
<b>Linearity</b>	<p>WBC: 1.8 – 5,548.3/µL</p> <p>RBC: 2.0 – 10,558.9/µL</p> <p>EC: 1.4 – 201.7/µL</p> <p>CAST: 1.41 – 21.83/µL</p> <p>BACT: 4.5 – 9,821.5/µL</p>

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<b>Body Fluid Analysis</b>	Not available in the U.S.
<b>Quality Control</b>	UF CONTROL™ (2 levels) BeyondCare <sup>SM</sup> Quality Monitor (BCQM <sup>M</sup> ) Simplified and consolidated platform for quality control monitoring Comprehensive QC files including current and new lot feature 50 QC files with 300 plots per file on Urinalysis Data Manager™ (UDM)
<b>Dimensions and Weight</b>	Main unit including CV-11 sampler 26" (W) x 36" (D) x 35" (H); 232 lbs

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