

Fully Automated Urine Particle Analyzer

UF-5000™



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	Fluorescent Flow Cytometry with blue semi-conductor laser and hydrodynamic focusing in two separate channels.
Channels (for UF-5000)	<p>Surface Channel (SF ch): Analysis of urine particles that do not contain nucleic acid material such as RBCs, casts and crystals.</p> <p>Core Channel (CR ch): Analysis of urine particles that contain nucleic acid material such as WBCs, epithelial cells and bacteria.</p>
Parameters	<p>Reportable: White Blood Cells (WBC), Red Blood Cells (RBC), Epithelial Cells (EC), Casts, and Bacteria</p> <p>Flagged: Crystals (X'TAL), Yeast Like Cells (YLC), Pathologic Casts (Path CASTS), Sperm, Mucus</p>
Throughput	Up to 105/hour
Required Sample Volume	2.0 mL (Sampler Mode); 0.6 mL (STAT mode)
Analytical Measuring Range	<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>

Body Fluid Analysis	Not available in the U.S.
Quality Control	UF CONTROL™ (2 levels) BeyondCare SM Quality Monitor (BCQM [#])-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)
Dimensions and Weight	Main unit including CV-11 sampler 26" (W) x 36" (D) x 35" (H); 232 lbs

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