

APEX UA

Standalone Urine Sediment Analyser

Transforming mid-volume labs from manual microscopy to smart, standardised automation



**Accurate
Results**

≥95% Accuracy
High-confidence results
with digital image
documentation



**No Centrifuge
Needed**

Native urine direct
loading - eliminates
pre-analytic bottleneck



**Seamless
Connectivity**

Bi-directional LIS &
barcode support for
full lab integration

Making Automation Affordable
for labs Everywhere

Apex UA is a smart semi-automated urine sediment analyzer designed to replace manual microscopy, delivering standardized, error-free results. Powered by advanced imaging and AI recognition, the system captures multi-layer urine elements and delivers fast, accurate, and objective results through a unique algorithm.

Technical Specification

Method	Digital microscopy (standardized review)
Instrument Type	Single position
Analysis Time	2 mins
Accuracy	95%
Image set	20 image per sample
Sample volume	2.5 mL
Weight	20 Kg (Compact footprint)
Sample Detection	Sample ID via manual Entry External Barcode Reader
Operation mode	Standard Mode
Throughput	35 sample/hr
Inbuilt waste Container	No
User Interface	Integrated computer with touchscreen Fast onboarding; intuitive operation
Printer	Built-in Thermal Printer
Data Storage	150,000
Interfaces	RS232 Serial port USB , External Keyboard
Parameters	(20P)RBC (nRBC, dRBC, dRBC/g, acanthocyte), WBC, pus cells, yeast, epithelial cells (squamous, transitional), casts (hyaline, granular, waxy), crystals (bilirubin, uric acid, calcium oxalate, phosphatic), mucus, sperm, and bacteria—covering the key findings customers expect in routine microscopy

Ordering Information

Product Code	Product	
136380	APEX UA Sample Diluent	5L
136381	APEX UA Cleaning Solution	500ml
136382	APEX UA Concentrated Cleaning Solution II	100ml
167962	APEX UA Urine Sediment Analyzer	1 Unit

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