

LAURA XL

Fully Automated Urine Chemistry
and Sediment Analyzer



Faster turn- around time

Achieve quickest
results every time



Reduced manual work

Optimise your
work-flow



Image storage

See & Share more
with ease

Making Automation Affordable
for labs Everywhere

LAURA XL

Fully Automated Urine Chemistry and Sediment Analyzer

Laura XL is complete walkaway system combining urine strip reading & digital microscopy on a single platform while making it a preferred choice for high workload laboratories

KEY BENEFITS



Manual Work Minimization

The fully automated aspiration, processing & analysis of Urine sample would reduce required manual work in slide preparation & viewing under microscope



Error Reduction

The objective strip reading, software based sediment analysis & automated result transmission could possibly minimize the amount of errors with manual work



Time Saving

With the complete walkway system it could help use valuable technician time for other important work



Reduced Review Rate

The On-screen images of strip & sediment could be referred for any repeat analysis if required



Advanced Reporting

The facility to save & share high resolution sediment images shall be helpful to prove the analysis

The screenshot displays the Laura XL software interface. At the top, there are navigation tabs: WORKLIST, RESULT, QUALITY CONTROL, MAINTENANCE, and SETUP. Below these, a table lists patient samples with columns for Date/Time, Sample ID, Name, Assay, Cuvette, Flags/Alerts, Room, Position, and Operator. A detailed report for a sample is shown below, including parameters like SG, LEU, NIT, pH, PRO, GLU, KET, UBG, BIL, BLD, Colour, and Clarity. The sediment analysis section includes parameters like White blood cell, WBC Clump, Red blood cell, Crystal, Small Cryst, TRF, CaOx, UA, Bacteria, BACC, BACC, GLU, Casts, HTA, CAST, Epithelial cell, and SQEP. A microscopic image of sediment is displayed on the right side of the report, labeled 'Image number: 1'. The bottom status bar shows 'IDLE - NOT READY' and 'SERVICE - HYBRID'.



KEY FEATURES



Sediment analysis

Bright-field Digital microscopy using Artificial Intelligence based software



Chemistry analysis

Reflectance photometry using Color Matrix definition technology



Physical analysis

Measurement using Colorimeter



Display

Full HD Color Touchscreen LCD (1920 x 1080)



Throughput

Upto 125 test/hr in Sediment/Hybrid mode & upto 160 test/hr in Chemistry mode



Sample Loading

Capacity for 120 samples (10 tubes x 12 racks)



Sample volume

Primary tube – 2ml & Micro tube/ Eppendorf vial – 0.9 ml



Memory

Inbuilt-memory of > 500000 results



Data

Facility for USB, barcode scanner & LIS connection



Controls

Internal Liquid control available & Compatible with 3rd party liquid control

Parameters Available

Physical: Color & Clarity

Chemistry: Glucose, Protein, pH, Specific Gravity, Leucocytes, Blood, Bilirubin, Urobilinogen, Ketone & Nitrite in 10 parameter DekaPHAN AUTO strip

Sediment: WBC, WBC clumps, RBC (with dysmorphic sub-classification), Epithelial cells (Squamous & Non-Squamous), Casts (Hyaline & Pathological), Crystals (Uric acid, Triple Phosphate, Calcium oxalate, Amorphous & Small crystals), Bacteria (Cocci & Rods), Yeast, Mucous, Sperm

Ordering Information

Product Code	Product	Quantity
165467	LAURA XL	1 unit
132419	DekaPHAN AUTO	100 strips
132399	OptiSOL XL 1500	400 ml
133506	OptiSOL 750	6 x 50 ml
134450	Urinorm XL	2 x 120 ml

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