

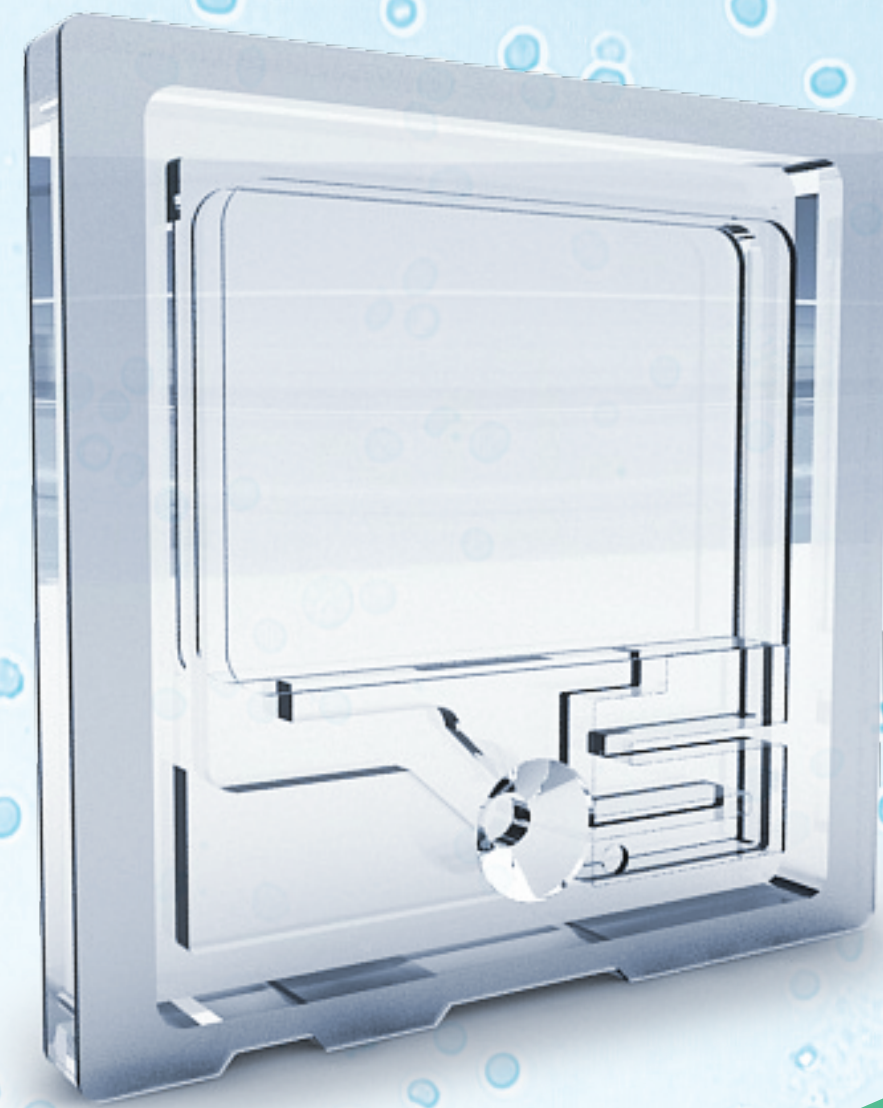
sediMAX

Technical Specification

Sample Preparation	Automatic, on-board
Sample volume	2ml
Analysis volume	0.2ml (200ul)
Throughput	Up to 80 samples/hr
Load capacity	100 sample tubes (10 samples x 10 racks)
Sample tube spec	Ht 100 – 105 mm, Diam 16 – 17.5 mm
Barcode reader	On-board
SediMAX cuvette pack	50 cuvettes in 12 towers (600 cuvettes in total)
Cuvette carousel capacity	600 cuvettes (50 x 12 towers)
Centrifuge	On-board. 2000 rpm for 10 secs per sample
Microscope	Up to x400 magnification plus x2 optical zoom
Automated microscopy analysis	10, 15 & 20 high power fields (HPF) equivalent. Selectable.
Final result	Particle concentration (HPF or /ul) & identified category
Detected particles	RBC, WBC, Hyaline casts, Pathological casts, Epithelial cells, Small round cells, Bacteria, Yeasts, Crystals: Calcium oxalate monohydrate, Calcium oxalate dihydrate, Uric acid, Tri-phosphate, Mucus, Sperm
Result archive	1000 sample results and images
Computer interface	Mono-directional
Wash solution	Distilled water (5L bottle), hypochlorite/ bleach solution
Waste bin capacity	500 cuvettes
Size & weight	600 x 600 x 600 (h,d,w). 58kg

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Automated Microscopy as never seen before

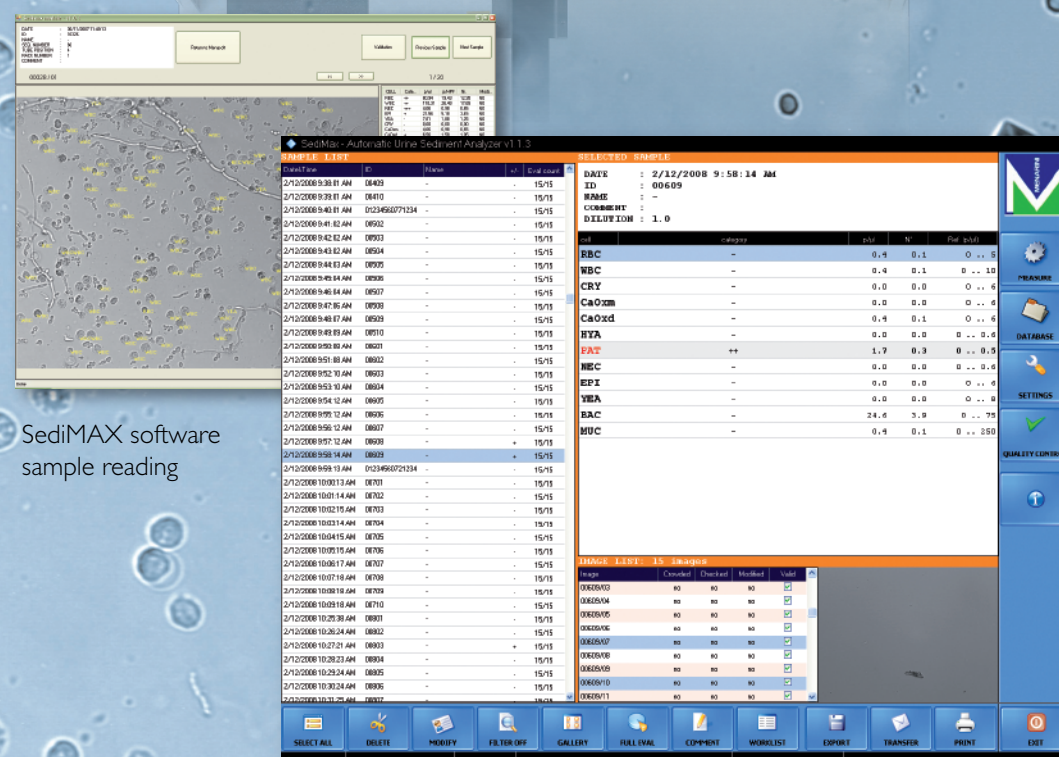
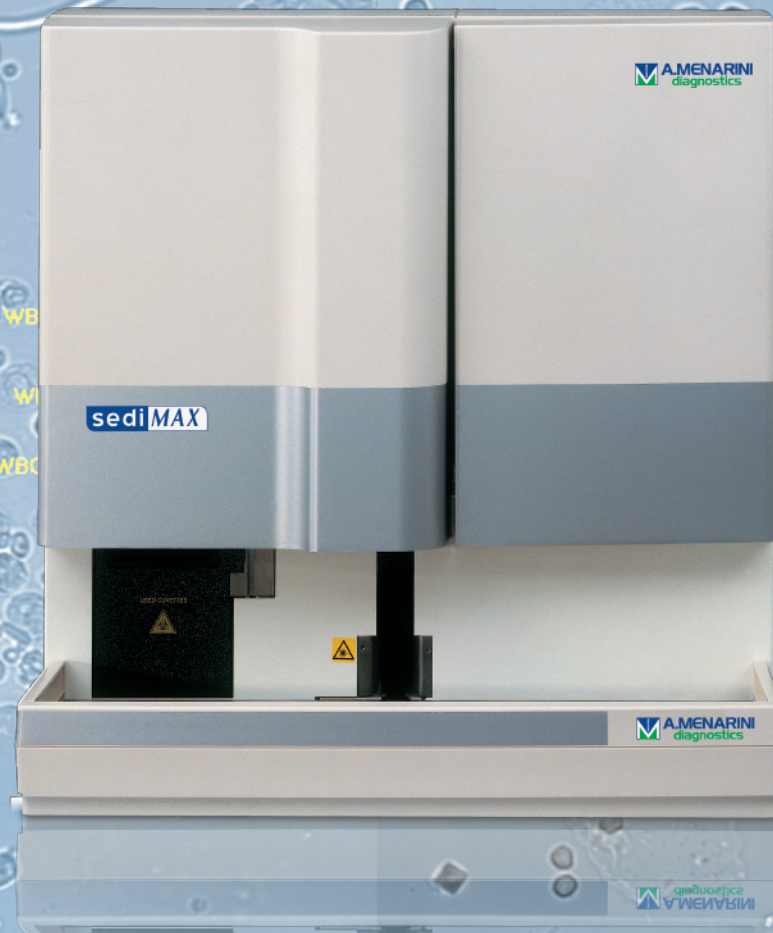


sediMAX
Urine Microscopy Analyser

SediMAX – load samples, press start, walkaway

Features

- Result quality guaranteed**
With automated sample handling and high-tech digital image analysis SediMAX delivers result quality time after time regardless of the workload.
- Analysis flexibility you control**
On-screen images of 10, 15 or 20 HPF equivalents are just the same as you see using manual urine microscopy methods.
- Comprehensive particle recognition**
The built-in microscope and image processing library allows SediMAX to identify an un-rivalled range of particles providing a thorough interpretation of results.
- Fully standardised method**
The unique SediMAX cuvette takes care of it all improving reproducibility independent of operator.
- On-board image storage**
All results and microscopy images are available for secondary review. The comprehensive particle image library makes an excellent training resource for new and existing staff.
- Daily maintenance**
The only maintenance required is emptying the wash bottle, running a daily bleach solution and removing used cuvettes.
- Reagent free**
Unlike other automated systems, no additional reagents are required.



SediMAX Software sample list interface

Workflow

You

- Check/fill distilled water, wash bottle and cuvettes
- Load samples
- Press Start

SediMAX

- Mixes & aspirates sample
- Transfers 0.2ml urine to cuvette
- Centrifuges cuvette
- Performs microscopy
- Captures high-tech HPF like digital images
- Recognises & counts particles
- Archives all images and displays results

