



HP-DJ860C Automatic Urine Sediment Analysis System(Workstation)



Product Features

Application advanced and reliable detection principle

1. Formed elements: Adopt world-class neuron model, application of “machine vision”+SVM(Support Vector Machine) technology, automatically segment sample image one by one and have automatic recognition, classification and counting of urine formed elements.

2. Dry chemistry part: Adopt high strength cold light source, accurately quantitative giving sample, strictly control the reaction time, effectively guarantee the accuracy of test results, to avoid crossed contamination between items.

3. Low cost of using, quick and convenient operation.

4. Auto segmentation and identification technology

HP-UDJ8602 Auto Urine Sediment Analyzer is able to detect urine particles with high accuracy in urine sediment. This instrument performs sample preparation, takes several pictures of each sample through its builtin microscope and evaluates them by a high quality image processing software.



Main Advantages:

1. Planar flow technology and morphological identification technology.
2. Laser sensors, orbital rail sample loader.
3. Applying the latest SVM image processing method to obtain cell image feature to enable a more accurate and reliable cell identification.
4. Real walk-away system, fully automatic sample processing.
5. Software with self-learning function to improve the system' s identification.
6. High-speed CCD photographing system (more than 600 frames/ sample), auto focusing, tracking, collecting, magnifying, full-digital output, more effective.
- 7,Self-learning Function:For the cells which is identified or classified property,after mnual tagging,the software can automatically learn their characteristics and save to database to improve the system identification rate.
- 8 Advanced image automatic segmentation technology, and automatic identification to the visible components in the urine.

Main Technical Parameters:

Test Items	WBC,RBC,epithelial,cylinder,bacteria,crystal,mucliage,sperm and other components of clinical requirements
Detection	Word-class neutron model,apply machine vision and SVM



Principal	technology to do a full range of image segmentation,identification,classification and counting.
Test Speed	70-100 sample/hour
Sample Volume	Min:2ml non-centrifugal urine,aspirating volume:1.0ml
Sample Loading method	Sample rack loading,automatic sample mixing and aspiration
Image Collection	1 objective/ul
Date Storage	600000
Lens	Olympus lens
Negative filtration	Urine chemistry + sediment
Network Communication	Bi-lateral communication,connectable LIS and HIS

Note:One year quality guarantee and 24 hours phone service for all the products supplied.

More information for our products and service,please turn to our official website or contact us directly.

