PKL PPC 380

Urine Sediment Analyzer

Global Diagnostics Supplier

Auto Urine Sediment Analyzer

Specification

Principle	Automatic recognition of digital images
Parameter	1. auto–particle recognition : RBC,WBC, SQEP(squamous epithelial cells), NSE(non–squamous epithelial cells), HYA(cast),UNCC, CAOX(calcium oxalate crystal), BACT(bacteria), yeast, and etc. 2. RBC phase detection 3. receive series urine dry chemistry analyzer's test data
Throughput	more than 50 samples / hour
Sample	native urine samples or urine sediment samples
Sample volume	minimum volume: 1.2 ml
Sample treatment	automatic sampling, diluting, dying, blending, screening, image acquiring, particle counting, data saving, flow cell and probe washing, printing
counting cell	double channels
accuracy	over 95%
memory capacity	more than 50,000 results
printer	thermal printer (other choice : laser priter or ink printer)
interfaces	RS–232 SERIAL PORT, USB, TCP / IP Ethernet

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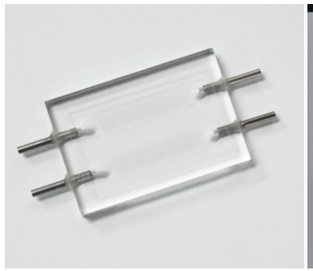
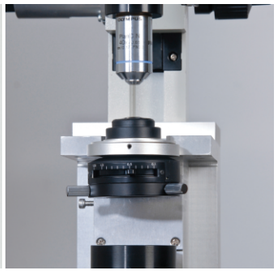
Auto Urine Sediment Analyzer

- Available for preset the 9 test items
- Phase detetion of RBC in urine
- Flat-field achromatic automatic continuous zoom microscopic test system
- Direct sampling with urine cup, with no need of test tube
- Sample volume only requires 1.2 ml
- Double channels to test
- Automatically match with urine dry chemistry test result
- Multi-media operation software, comprehensive quality control system and correction system
- Thermal printer with functions of report quick printing and automatic printing
- Sleep and wakeup function

High–precision Test System

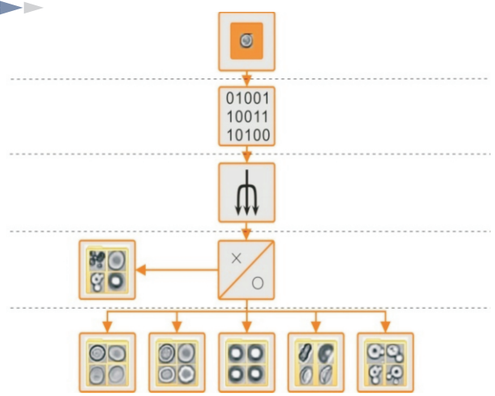




- The use of Olympus flat-field achromatic objective lens and automatic continuous zoom optical lens ensures the perfect quality of microscopic images
- Successfully overcome the effect of gravity to keep an accurate gether surface for a long time
- Automatic gathering calibration without using chemical reagent
- The infinite adjustment of the microscope light intensity ensures the clarity of images
- Japanese originally imported NT (Nanotechnology) quartz counting chamber with smooth inner wall and uniform- thickness inner diameter

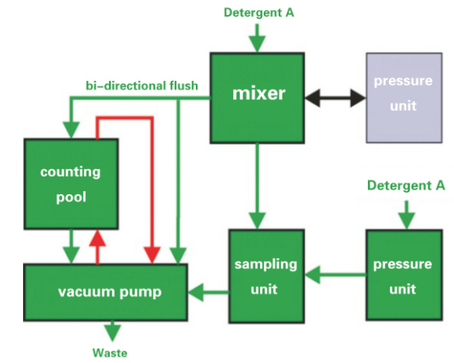
Leading Machine Vision Technology

- Consisting of computer science, picture processing and pattern recognition, the machine vision technology can automatically recognize and analyze images
- Be able to analyze the shape and size of RBC and give distribution histogram of RBC in urine, MCD and R-RATE
- Intelligent image splicing technology realizes the panorama mosaicking, convenience for observation and examination



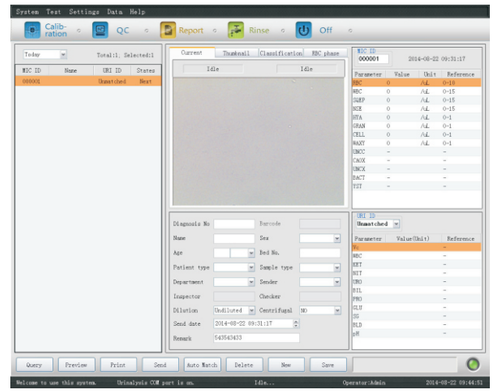
High–efficiency Washing System

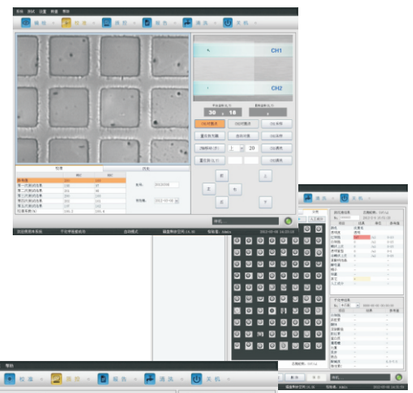
- An omniseal positive-negative pressure circulation cleaning system ensures no residue in duct and counting chamber
- The ues of specialized sampling probe cleaning set lowests the cross contamination

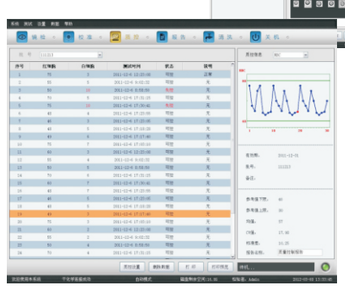


Powerful Reporting Interface

- Images of urine sediment , recognition results and dry chemistry results display on the same screen makes it possible to compare with each other so as to improve the accuracy of the result and have no need to recheck







Comprehensive Calibration System

- Auto calibration function, give you stability system.
- Historical data checking reflects the running condition
- Manual adjustment of microscope's clarity convenience for enhance recognition rate

Reliable Quality Control system

- Statistically analyze the daily quality control (QC) data to reflect the running condition and working quality
- Be able to retain the original QC data, record the reasons of failure,and generate an error alert