PARAMEDICAL

Auto Urine Sediment Analyzer

PKL PPC 380
Auto Urine Sediment Analyzer

Specifications:

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 PKL PPC 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

PKL PPC 380
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

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
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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 RRATE
Intelligent image splicing technology realizes the panorama mosaicking, convenience for observation and examination
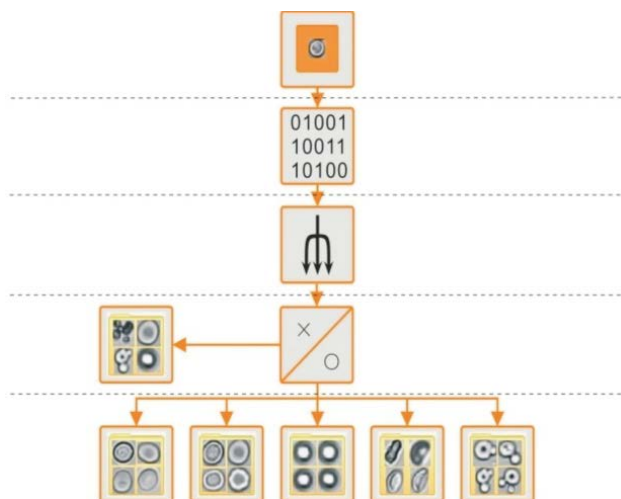
An omniseal positive-negative pressure circulation cleaning system ensures no residue in duct and counting chamber
The ues of specialized sampling probe cleaning set lowests the cross contamination
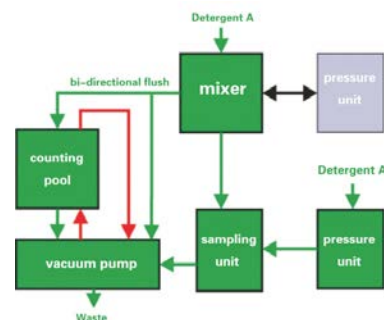
Images of urine sediment , recognition results and dry chemistry results display on the same screen makes it possible to compare with each other so as to improve the accuracy of the result and have no need to recheck
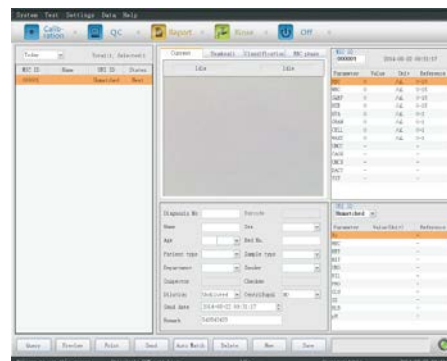
Auto calibration function, give you stability system.
Historical data checking reflects the running Condition
Manual adjustment of microscope's clarity convenience for enhance recognition rate
Statistically analyze the daily quality control (QC) data to reflect the running condition and working quality
Be able to retain the original QC data, record the reasons of failure,and generate an error alert

CE

ISO 9001:2015
ISO 13485:2016