05 BW-2000
Urine Sediment Analyzer

【Test Principle】 Using machine vision technology: automatic identify, classify and count the formed elements in urine with microscope automatic morphological methods.
【Test Items】 Normal RBC, Standing RBC, Dysmorphic RBC, Normal WBC ,wbcc, Pus cell ,Hyaline Cast ,Granular Cast, WBC Cast ,Squamous Epithelial cell ,Normal Epithelial Cell ,Sperm ,Calcium Crystal ,Oxalate Crystal Bacteria ,Yeast ,Amorphous Urates ,Mucus etc.
【Test Speed】 30 samples/hour
【Sample Volume】 Minimum urine volume 2ml, minimum injection volume 0.5ml
【Sample Process】 The sample can be directly tested without centrifugation.
【Flow Cell】 High accuracy, single channel flow cell(test channel)
【Sampling Method】 Automatic trail suction, 10 samples on the machine at the same time.
【Accuracy】 ⩾ 95%
【Repeatability Test】 CV < 10%
【Contamination Rate】 < 0.05%
【Report Form】 xx unit/ul, HPF&LPF etc. international universal quantitative unit, comprehensive graphic report of dry chemical analysis and urine formed elements quantitative analysis
【Measurement】 380mmx286mmx363mm (L x W x H)
【Net Weight】 15kg
【Data Interface】 Two-way communication interface, can be connected with dry chemistry analyzer, printer and hospital management system

【Power Supply】 AC 220V± 10%, 50Hz
【Standard Configuration】 Build-in CPU, including mouse, keyboard
【Specification】
- Automatic trail suction, 10 samples on machine at the same time, easily operate.
- Auto focus. Adjust focal length of microscope automatically to make sure a clear and complete sample picture.
- Sample can be used directly without centrifugation and pre-handled, all of the sample injection, mixing, sampling and sedimentation are automatic.
- Identify the test sediments and count quantities of the pictures automatically
- High accuracy flow cell to insure a stable & precise sample-suction and normalize the test result.
- High accuracy suction-sample needle, choicely pipelines and valves to insure the high stability of the pipeline; high-efficiency auto clearance function to insure clear the inside & outside of the needle efficiently, which will avoid across contamination.

The machine owns self-learning function.
The more time it is be used, the higher identify rate it becomes.
The machine can be connected with dry chemistry analyzer and provide a comprehensive report contains urine dry chemistry and urine sediment test

- **BW-2000**

Auto injecting
Auto focusing

Auto snap recognizing.
All the characters base on AIT.

SMALL,SMART,STABLE,SUPERB