



# RIG880

Fully automatic hybrid  
urine analyzer

*Include Dry Chemistry  
and Sediments*



LABORATORY

# RIG880

## Fully automatic hybrid urine analyzer



RIG-880 Fully Automated Urine Analyzer using a unique design which combines the dry chemical analysis and urine tangible component analysis perfectly. One drop of urine sample is enough to complete the urine chemical, pharmacology and physical composition analysis, automatic analysis, automatic report. It's testing condition is fixed standard and it uses high-tech digital imaging and intelligent automatic recognition technology. It provides the best overall solution to laboratory urine analysis. It's perfect carrier for customer to implement the automatic urine analysis integration solution.

- Color touch screen display, menu operation interface, convenient operation.
- New cold light source testing technology, strong anti-interference, high sensitivity, good stability.
- The instrument includes 8 inch color touch LCD screen. It could identify sample position and information automatically which could improve efficiency. It could accommodate more than 200 urine strips and could add any time.
- Automatic sampling device. The samples do not need centrifugation or pretreatment. Just put into the rack and the instrument would test.
- A complete alarm system.
- Emergency insertion function. The instrument would give priority to deal with the emergency sample without stopping the routine detection.
- The instrument could add certain sample intelligently according to the urine strip reaction block which ensure the adequacy of the reaction and uniformity.
- Accurate quantitative sample technology which avoids cross contamination between projects.
- The instrument could do quantitative analysis to SG. It could test the sample color and turbidity.
- The instrument could accommodate 60 samples.
- The function of automatic calibration and charges, quality control.

Test items	Urine particles: urine red blood cells, white blood cells, squamous cell, the squamous epithelial cells, and transparent tube, unclassified tubular, crystallization, mucus, bacteria, yeast and white blood cells, sperm etc... Leukocyte(LEU), Nitrite(NIT) Urobilinogen(UBG), Protein(PRO), pH(pH), Blood(BLD), Specific gravity(SG), Ketone (KET), Billirubin(BIL), Glucose(GLU), Ascorbic acid(VC), Calcium(CA), Creatinine(CRE) Microalbumin(MALB), Turbidity(Turbidity), Color(Color)
Monochromatic wavelength	520nm, 570nm, 610nm, 650nm
Measurement Principle	Urine particles: Analysis of plane flow cytometry techniques Test Strip: Reflectance method Specific Gravity: Refraction method (Matching hydrometer) Turbidity: Scattering method Color: RGB Trichromatic method
Measurement speed	240strips/hour
Test tube rack capacity	6 test tube rack (Accommodate 60 samples)
Sample capacity	>3ml
Inhalation sample capacity	<2ml
Applicable strip	Special urinalysis test strip of 10A, 11A, 12A, 13A, 14A
Data storage	1 million records
External output	RS-232 serial interface, Parallel printer interface
Display screen	8-inch color touch LCD screen and 15" computer screen
Language	English
Power source	100~220V
Power	120VA
Fuse specification	250V 2A
Weight	70Kg
Size	700x745x584mm