

# UriSED-3772

Fully Automated Integrated Urine Analyzer



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

## ►► Technical Data

- **Throughput**  
Chemistry 240T/H    Microscopy 50-120T/H    Chem+Micro 50-120T/H
- **Min. sample volume:** 5ml
- **Sample preparation:** Native sample
- **Built-in barcode reader:** Yes
- **Counting Chamber:** 3 channels
- **Detection rate:** ≥98% for sample at concentration of 5 cells/μl
- **Accuracy:** -For chemistry measurement, comparing to reference solution, results are within tolerance of one level or no false positive and negative;  
-For microscopy measurement, ≥95%
- **Repeatability:** -For chemistry measurement, CV≤1%;  
-For microscopy measurement, CV≤7%;
- **Carryover:** At concentration of 4600-5400 cells/μl, ≤1 cell/μl;  
At concentration of 9200-10800 cells/μl, ≤2 cells/μl
- **Verification:** Full-view field images + segmented images
- **Report:** Comprehensive results with images and diagrams
- **Sampler:** Loading capacity of 60 samples
- **Strip tank capacity:** 200 strips
- **STAT:** Available
- **Data interface:** Bidirectional
- **LIS/HIS connection:** Available
- **Computer:** External
- **Results storage:** >200,000 results
- **Dimensions:** 825mmx647.5mmx514mm
- **Weight:** 75kg

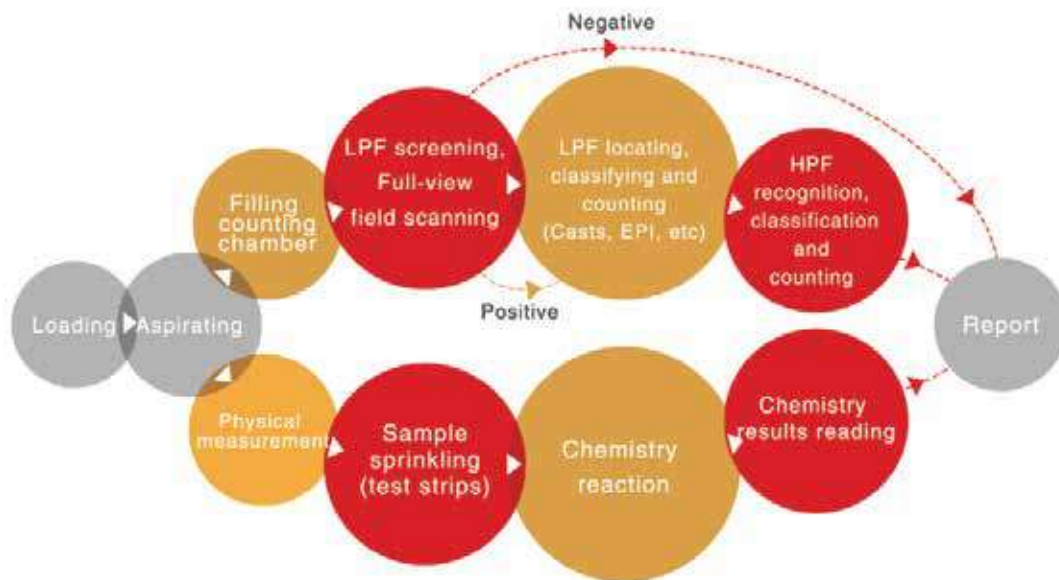
## ►► Product and Consumables:

Product Name	Specifications	Art.-No
Fully Automated Integrated Urine Analyzer	URISED-3772	77201
Urine test strips	URISED-3772AH	01107
Calibrator For Urine Formed Elements Analyzer	10mL *28	21006
<b>Reagent Kit:</b>		
Cleanser I	500mL	13001
Cleanser II	40mL	14008
Buffer	40mL	12004

## ►► Detected Parameters

- Chemistry Measurements: 11,12, 14 parameters available.
- Microscopy Measurements: RBC, WBC, Epithelial Cells, Crystal, Casts, Mucus, Yeast, Bacteria, etc.  
Further sub-classification is available with manual on-screen verification.
- RBC Morphological Analysis: automatic analysis and generated with diagrams and images.
- Physical Measurements: color, turbidity, specific gravity and conductivity.
- Extensional Measurement: pleuroperitoneal fluid, cerebrospinal fluid, gastric fluid, etc.

## ►► Working Procedure



## ►► Advantages

- Unique design with both Chemistry and Microscopy measurements integrated, which makes both measurements done by sampling once.
- Measurement Modes Optional: chemistry, microscopy, or chemistry+microscopy.

## ►► Physical Measurement

- Independent PMC module automatically measures color, turbidity, specific gravity and conductivity.
- More accurate SG result measured by refractometer.

## ►► Chemistry Measurement

- Patent strip feeding device.
- Innovative sample sprinkling technology to avoid undetection.
- Test results traceable with images.

## ►► Microscopy Measurement

- Made strictly according to ISLH Recommended Reference Procedure for the Enumeration of Particles in Urine.
- Uncentrifuged urine samples at cut-off concentration level of 3-5 cells/ $\mu$ l are detectable.
- Precise morphological analysis of RBC helps to determine the source of hematuria.
- Standardized and confirmatory report with both images and diagrams available. Pop ups indicate on-screen verification with no need to redo the measurement.
- Self-learning function continuously improves the recognition accuracy.
- Un-centrifuged urine microscopy reference values available.
- CFDA approved quality controls of four levels available.

## ►► Measurement Technology

Physical measurement: color, turbidity measured by RGB sensor; specific gravity measured by refractometer; conductivity measured by electrode method.

- Chemistry measurement: colorimetry
- Microscopy measurement: Machine Vision Technology (Automated Morphological Microscopy)



## HPLC Servicing, Validation, Trainings and Preventive Maintenance :

**HPLC Servicing** :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

**Trainings** :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

**AMC's/CMC** :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

**Validations** :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

**Instruments** :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



## About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

## Our Products & Technologies



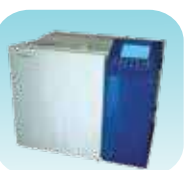
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Double Beam



Infra FTIR



Optima Gas  
Chromatograph  
3007



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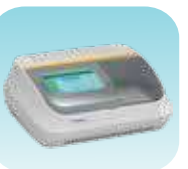
DSC/TGA



Semi Auto Bio  
Chemistry Analyzer



HEMA 2062  
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Analyzer



Micro Plate  
Reader/Washer



URINOVA 2800  
Urine Analyzer



Total Organic  
Carbon 3800



Fully Automated  
CLIA



NOVA-2100  
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RTPCR



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Analyzer



Laser Particle  
Size Analyzer



Ion Chromatograph



Water purification  
system



## Regulatory compliances



## Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



**Analytical**  
**Foundation**

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [Info@analyticalfoundation.org](mailto:Info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

## Reach us @



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