Revolutionary particle visualization and recognition utilizing both bright-field and phase contrast microscopy

- Zoomable HPF-like images
- Dual-view for both bright-field and phase contrast images
- Throughput: up to 130 tests/hour
- Fully automated sample preparation requiring only low sample volume
- Manual microscopy mode: Real-time view of any viewfield of the cuvette to see moving microorganisms as well
- No need for liquid reagents or calibrators
- Automated QC analysis and maintenance procedures
- UriSed 3 PRO and LabUMat 2 together make a Complete Urine Laboratory System
- Streamlined documentation by LIS connectivity

UriSed 3 PRO provides a uniquely advanced visualization and recognition of formed elements in urine sample using a special combination of bright-field and phase contrast microscopy by automating the gold standard method of sediment analysis. It improves differentiation of hyaline casts, red blood cells, crystals, yeast and overall diagnostic performance in central screening laboratories as well as in specialist laboratories.
The operation of the instrument is based on the patented UriSed Technology. Working without any special liquid reagents, UriSed 3 PRO performs sample preparation, produces whole viewfield microscopic images and evaluates them using the Auto Image Evaluation Module (AIEM), a high-quality image processing software.

Using the phase contrast technology UriSed 3 PRO provides improved performance. It has outstanding visualization and recognition capabilities for every particle type even the ones that conventional bright-field microscopy cannot easily detect (such as casts and ghost red blood cells).
The efficiency of LabUMat 2 test strip analyzer and UriSed 3 PRO microscopic sediment analyzer – both manufactured by 77 Elektronika – can be maximized by using the two instruments together as one system. Common operation is enabled with physical and software connections between LabUMat 2 and UriSed 3 PRO. The results of both measurements are stored in a common database and reported as a common report. Since all necessary measurements which have to be done on urine samples are completed by this integrated system in one process, the combination of LabUMat 2 and UriSed 3 PRO accelerates laboratory throughput and provides the most effective and reliable solution for complete and professional urine analysis.

All you need for complete urine analysis

- LabStripU11 Plus GL test strips for LabUMat 2 (closed system)
- Cuvettes for UriSed 3 PRO (closed system)
- Normal distilled water
- Standard test tubes
LabUMat 2

Proficiency and efficiency in urinalysis

The LabUMat 2 is a fully automated urine chemistry analyzer evaluating 10 chemical parameters of LabStrip U11 Plus GL test strips and 3 physical parameters. Besides preserving all its former attractive features, the new version of LabUMat has been significantly improved for an even better performance. Continuing its predecessor’s mission, LabUMat 2 is a high quality and reliable instrument meeting the requirements of modern automated laboratories and providing walk-away operation. Easy operation via touch screen, automatic handling of test strips and test tubes – including sample mixing and precise dosing for each test pad by the pipetting unit – advanced detection technique and intelligent data management provide maximum efficiency while making urinalysis simple.