



LVEM 25 COMPACT LOW VOLTAGE ELECTRON MICROSCOPE

A major departure from traditional transmission electron microscopes, the Delong Instruments LVEM 25 is pioneering in its field.

The design of transmission electron microscopes hasn't changed much in decades. These complex and difficult-tooperate behemoths are generally sequestered in basements, with many still capturing micrographs on film to be developed at a later time in a darkroom.

Introducing the revolutionary LVEM 25 – compact, easy to use, and designed to be installed where electron microscopy is needed most. This unique instrument features a miniature electron-optical column that employs permanentmagnet lenses and a 25 kV Field Emission Gun (FEG). The microscope does not demand a dedicated room, vibration isolation, special power supplies, or cooling of any kind.

The LVEM 25 is perfectly suited for pathologists who require electron microscopy. With 1.0 nm resolution, the LVEM 25 provides highly contrasted and detailed digital micrographs in real time from both stained and unstained samples. In addition, the LVEM 25 does not require any adaptation to existing sample preparation protocols.

The computer-controlled LVEM 25 includes intuitive software with simple adjustments for illumination, magnification, and image optimization as well as onscreen measurements and statistics and live histogram correction.

Already contributing in the field of pathology, the LVEM 25 truly is fast, compact, and powerful.

NEXT GENERATION FROZEN SECTIONS ARE HERE!

True innovation: from fresh biospecimens to stained frozen sections, of permanent-like quality, in less than 10 minutes.

Pathologists around the world rely on frozen sections to provide intraoperative consultations when the surgeon requires a rapid diagnosis or immediate feedback with regards to surgical margins. Conventional frozen sections do indeed have a short turnaround time of approximately 15-20 minutes, but with big disadvantages: significantly lower diagnostic quality than paraffin sections because of artifacts and high variability/diversity in staining protocols. But here is a game-changer: the truly innovative Presto system by Milestone Srl, which makes it possible to produce frozen sections with permanent-like quality by combining the innovative and artifact-free freezing technique of the PrestoCHILL with the outstanding PRESTO PRO processing and staining unit. The face-down cryoembedding technique of the PrestoCHILL results in the fastest possible freezing (thus eliminating the formation of artifacts) by placing the sample directly on the -40°C metal surface. The PRESTO PRO stainer, in turn, delivers reproducible, consistent, and high-quality results. Thanks to its continuous slide loading, it processes and stains with a very high throughput to increase efficiency in any laboratory. It can be set to run protocols according to specific laboratory requirements, uses a laboratory's own staining reagents, and is highly adaptable to any special needs and requirements. PrestoCHILL and PRESTO PRO are both intended to run 24/7 without the need for cleaning cycles, minimizing regular downtime. And last, but not least, neither toxic nor dangerous reagents are used in the system, thus safeguarding the operator. The Presto system delivers next generation frozen sections: extremely fast results without compromising on quality - while creating a safer and healthier working environment.

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Pathologist