From Eye to Insight

Leica
MICROSYSTEMS

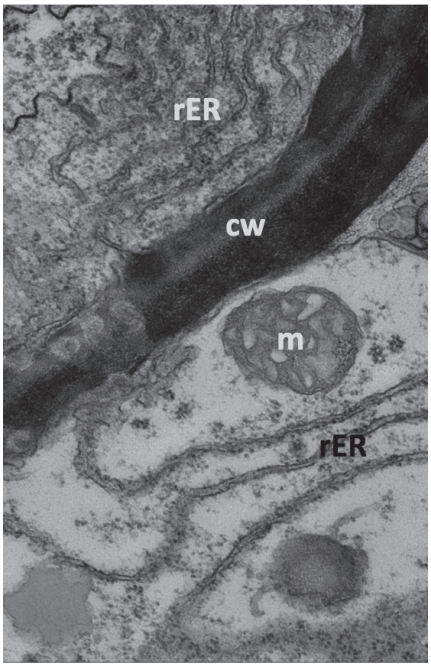
AUTOMATIC CONTRASTING INSTRUMENT FOR ELECTRON MICROSCOPY

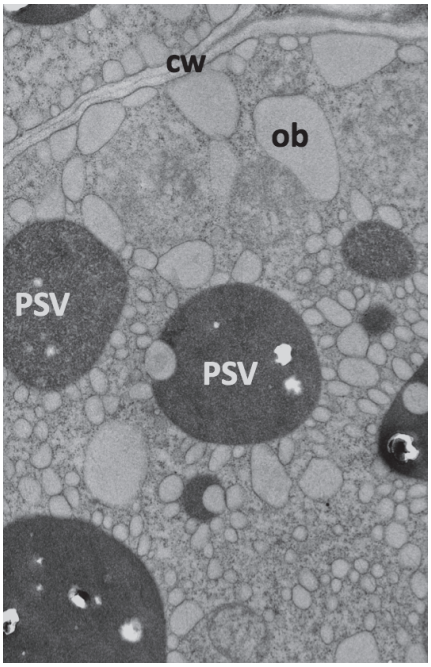
EM AC20

THE AUTOMATIC CONTRASTING SYSTEM EM AC20

Features

- Precipitate-free double contrasting
- Low reagent consumption
- 60 runs with one set of Ultrostains
- Low waste output
- Short washing cycles
- Easy maintenance





CONTRAST AND COMPARE

The EM AC20 is a new generation of instruments, developed in close cooperation with the scientific community, for contrasting ultrathin sections. Within the sealed chamber of the EM AC20, ultrathin sections are automatically contrasted with minimum user interface.

By contrasting up to 20 grids per run, the EM AC20 speeds up laboratory routine and eliminates the tedious and time consuming tasks associated with traditional contrasting methods. Pre-packed solutions (each 200 ml) ensure excellent contrasting results without any user contact to toxic reagents. The instrument uses a peristaltic pump and non-contact valves which means the reagents travel through nothing but tubing on their way to the chamber where the grids are located.

This equals good results and easy maintenance. At the end of each run, the small volume of used reagents are separated into different waste bottles, thus making disposal easy and less expensive.

Safe operating

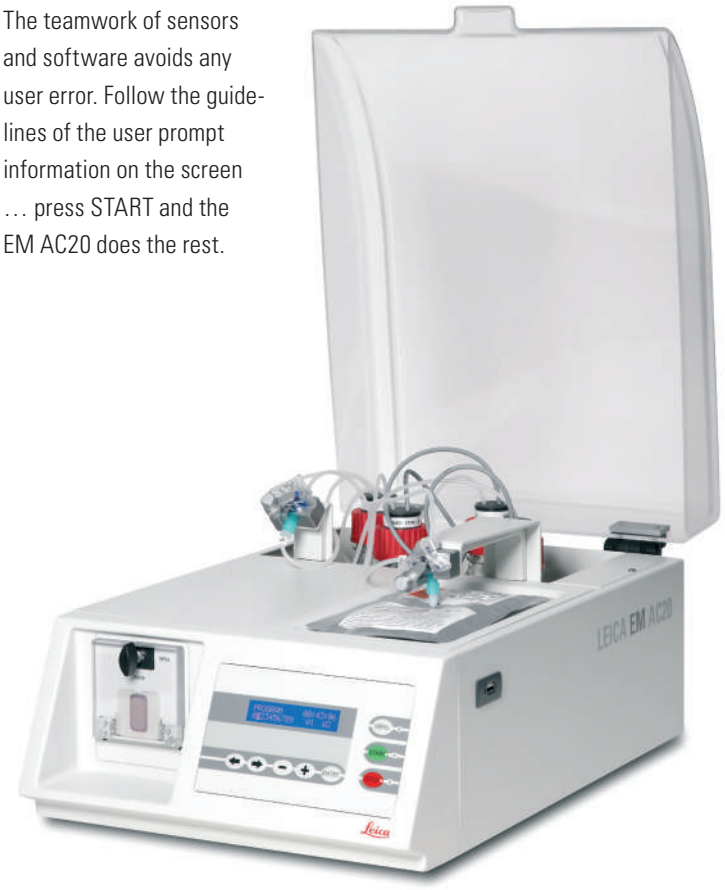
With the help of the loading jig, up to 20 grids are placed into the grid holder which is then inserted into the contrasting chamber. The chamber is closed with the bayonet lock and the EM AC20 is ready to contrast.

Easy to use

The clearly structured keyboard ensures easy programming of time and temperature for each contrasting step. Up to 10 individual programs can be stored. A USB port allows transfer of the last contrasting run if a log-book report is required.

Trusted reliability

The teamwork of sensors and software avoids any user error. Follow the guidelines of the user prompt information on the screen … press START and the EM AC20 does the rest.



Left: Developing wheat endosperm cell: cw – cell wall, rER – rough endoplasmic reticulum, m – mitochondria
Right: Arabidopsis mature seed: cw – cell wall, PSV – protein storage vacuole, ob – oil body
Courtesy: Dr. Elsa Arcalís, Department für angewandte Genetik und Zellbiologie,Universität für Bodenkultur, Muthgasse 18, 1190 Vienna, Austria

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