

## AUTOMATED TISSUE PROCESSOR EM TP

Trust in the comparability of your results

Rapid Microwave Fixation of Cell Monolayers Preserves Microtubule-associated Cell Structures.  
Courtesy: Reipert S, Kotisch H, Wysoudil B, Wiche G.

Ensure the comparability and reproducibility of your results when preparing samples with our automated tissue processor EM TP.

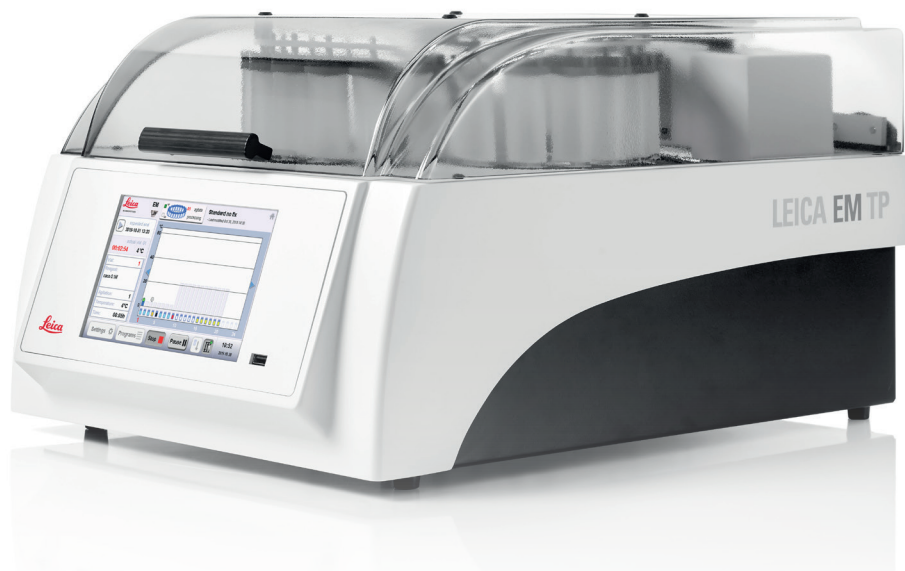
**Reduce manual handling by at least 75% due to programmable, automatic processing of multiple samples.**

The EM TP Tissue Processor ensures that the ultrastructures of your tissue samples can be precisely compared every time. Thanks to the automated sample preparation you can be confident that tissue differences between samples observed with your light microscope (LM) or electron microscope (EM) are not caused by inconsistent manual preparation. Additionally, the EM TP gives you the flexibility to stack various sizes of sample baskets so you can process different tissue types in one run.

Your benefits when working with the EM TP Tissue Processor:

- > Eliminate inconsistencies that could be caused by manual sample preparation
- > Ensure reproducibility across batches
- > Process different tissue types in one run
- > Maintain environmental conditions





## Reproducible experiments - reproducible results

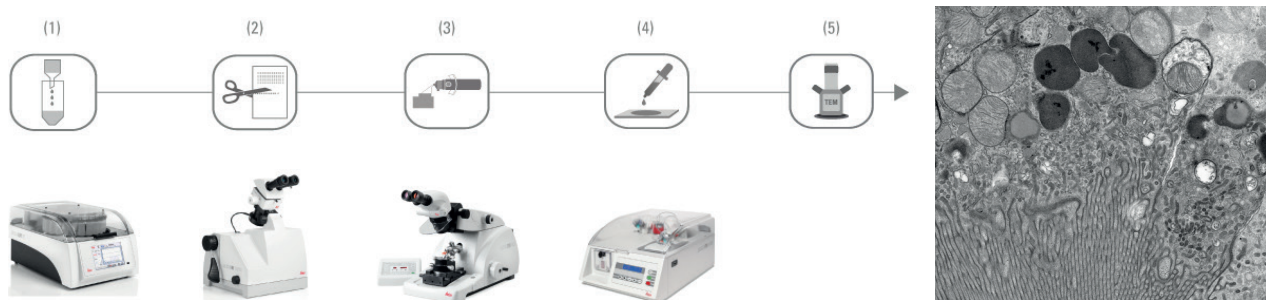
Ensure the reproducibility of your results when programming the sample preparation protocol precisely with the integrated touch-screen-based software. It will guide you through the various setup options for simple programming of each step. After saving your programs, you can rest assured that your experiments are performed consistently every time.

### The integrated touch screen based software offers:

- > Programming of a customizable reagent list
- > Real time adjustment of software steps during a processing run:
  - Pause and resume at user discretion, to allow adjustment of samples or reagents during processing.
  - Programmed and real time temperature readouts, for ensuring appropriate thermal gradients and transition times.
  - Start and end-time delay

## Choose your workflow according to your biological question

The EM TP tissue processor will help you get high quality results when conducting biological experiments ranging from standard TEM and SEM workflows to section tomography 3D workflows, to FIB SEM workflows, and many more.



Cristina Avramut, LUMC, Leiden

The Section Tomography 3D Workflow enables you to study the organization and interaction of biological structures within three dimensions in a defined volume in 5 Steps. For more information on workflow solutions for life science research, download our workflow booklet on the EM TP homepage.

1. Automated tissue processing (EM TP)
2. Trimming (EM TRIM2)
3. Serial sectioning (EM UC7)
4. Staining (EM AC20)
5. Image analysis in the TEM

CONNECT  
WITH US!



Leica Microsystems GmbH | Hernalser Hauptstrasse 219 | A-1170 Vienna (Austria)

Tel. +43 (1) 48899

[www.leica-microsystems.com](http://www.leica-microsystems.com)

