Stabilizor® T1 Quick Guide

1 Turn on power and insert a USB flash drive

2  System ready after 3-5 min

3 Enter ▶ Sample name
▶ Maintainor® card number

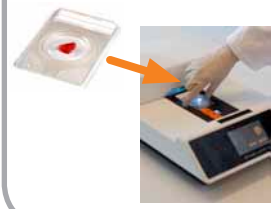
Select ▶ Method

4 ▶ Instrument ready
▶ Start *ex vivo* time and immediately collect the sample

5 Place sample centered in Maintainor card

6 Close Maintainor card

7 Place Maintainor card in Stabilizor T1



8 Press start

9 Green illumination = stabilization finished

10 Remove Maintainor card

11 The sample is ready for further preparation/analysis (see back page)

or

long time storage in freezer

12 Remove the USB flash drive with the log file.
View the log-file on any computer with Microsoft Excel.

⚠ Please refer to Stabilizor T1 User Manual for safety instructions and more detailed information.

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Sample stabilization methods

- Structure Preserving
  For preserving the anatomical structures of the sample. Measures sample and adjusts the heating time.
- Fresh Auto
  For most fresh samples. Measures sample and adjusts the heating time.
- Frozen Auto
  For frozen samples. Measures sample and adjusts the heating time (includes extra time due to low starting temperature).
- Custom
  Manual mode where all parameters can be set by the user.

Advice for multiple samples

- Similar *ex vivo* time between samples in an experimental series minimizes result variation due to e.g. degradation.
- Plan your experiment to combine short *ex vivo* time and careful sample collection. Perform sample collection efficiently, but without stress.
- Make all preparations before starting sample collection, i.e. prepare Maintainor cards, enter data into Stabilizor T1 instrument.
- Perform a mock run before starting to ensure that everything is prepared before risking any samples.

Maintainor Tissue

— for tissues, up to 7 mm thick

Ex vivo time

The time the sample has been outside the living organism.

Further sample preparations

After the stabilization, the sample can, for example, be:

- Dissected
- Homogenized for further analysis
- Microtome sectioned for imaging
- Stored frozen for later preparation/analysis

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