

TMA FROZEN MODULE

Specific for Galileo TMA CK3x00/4x00 Platforms

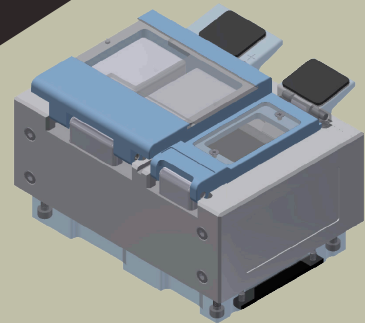
Frozen MicroArray technology offers:

Superior antigen recognition/retrieval; native protein profiling and sub-cellular location;
In situ RNA expression (quantitative & qualitative results); single cells analysis

Plug-in accessory for the Galileo TMA CK3x00 and CK4x00 Tissue MicroArrays

Easy to use Frozen Block module to construct Frozen TMAs in a controlled temperature environment.

High quality of Frozen TMA blocks assured by temperature controlled environment.



Key technical features:

Standard Tissue Block Holder: 2 positions (1 Donor + 1 recipient -TMA block)

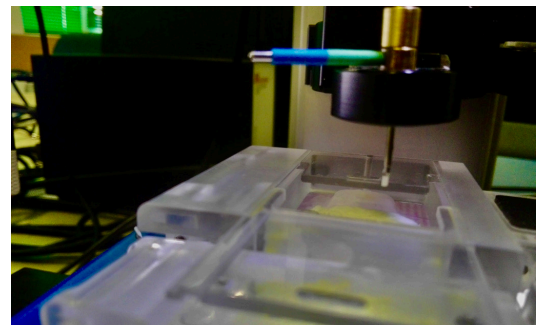
Cooling Module: Solid CO2 cooling media (3 mm pellets); manual filling; temperature range (-10 to -80°C).

Easy Installation on Galileo CK3600/4600 platforms

Temperature Monitoring of TMA donor blocks (software Maxim Munich GUI)

Autonomy: 3 hours (excursion T: -60 to -20°C). Longer autonomy by solid CO2 through a dedicated cover; this assures completion of the TMA construction.

High efficiency thermal insulation (Cryogel®Z, Aspen Aerogels, INC.)



GET IN TOUCH WITH YOUR LOCAL ESBE REPRESENTATIVE FOR MORE INFORMATION.

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GALILEO TMA

Tissue MicroArrayer Platform

TMA platforms for all types of tissue blocks and/or archived tissues.

Easy to use, direct control of TMA/CMA design and construction phase with precise core selection.

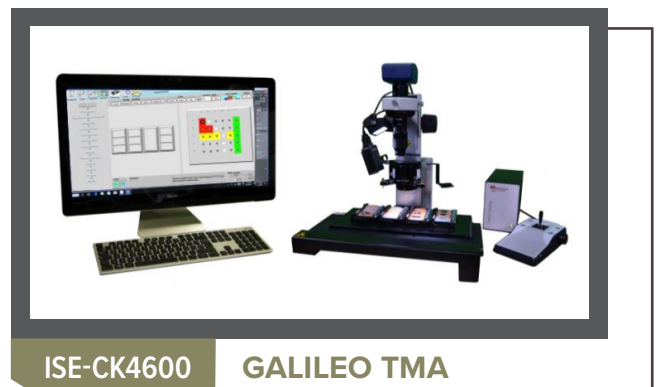
High quality TMA/CMAs.



ISE-CK3600

GALILEO TMA

COMPUTER DRIVEN



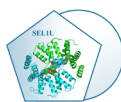
ISE-CK4600

GALILEO TMA

COMPUTER DRIVEN

Open architecture allowing the use of:

- 6 Standard Tissue Blocks mounted on "quick luck frame" on a MARZHAUSER (130x80mm) motorized stage.
- 3 Standard Tissue Blocks + 1 Macro Tissue Block mounted simultaneously



**Integrated
Systems
Engineering S.r.l.**

Tissue & Cell Biotechnologies

Open architecture allowing the use of:

- 12 Standard Tissue Blocks mounted on "quick luck frame" on a MARZHAUSER (280x80mm) fast motorized stage or:
- 6 Standard Tissue Blocks + 1 Macro Tissue Block mounted simultaneously
- 3 Standard Tissue Blocks + 1 Macro Tissue Block + one 96 well plate format (with 24, 96 or 384, wells or tubes)
- 6 Standard Tissue Blocks + 1 Mega Tissue Block (120x80 mm)
- Any other combination

8 Mpixel Cmos
Jenoptik Camera.

Core selection (with
manual or digital
overlapping, with
stretch function).

Wide Range of
Standard Needles
(from 0.6-1.0-1.5-2.0,
3.0 & 5.0 mm/Diam).

All in one Computer
(23.8" FHD:
1920x1080 Color
Monitor).

Generation of XML
files (with all core
coordinates and
related info) to feed
to any commercial
Digital Scanners (e.g.
Aperio, Hamamatsu,
TissueGnostics,
Visiopharm, etc.)
ensuring traceability,
during the TMA
Construction and
Analysis of Tissue
Core images.

Windows 10 Pro
Operating System.

Proprietary CK4600
SW (R) / CK3600 SW
(R) with friendly user
interface allowing
TMA geometry
definition, design,
construction &
reporting.

Proprietary remote
SW (allowing multiple
users, to define the
TMA geometry and
Design at remote
location.

Generation of
Excel files with the
information related
to each TMA core
(e.g. Donor Block
Identification Code,
position taken from
each Donor Block).

Zoom 6000 Navitar
Optics.

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