The Best Balance Between

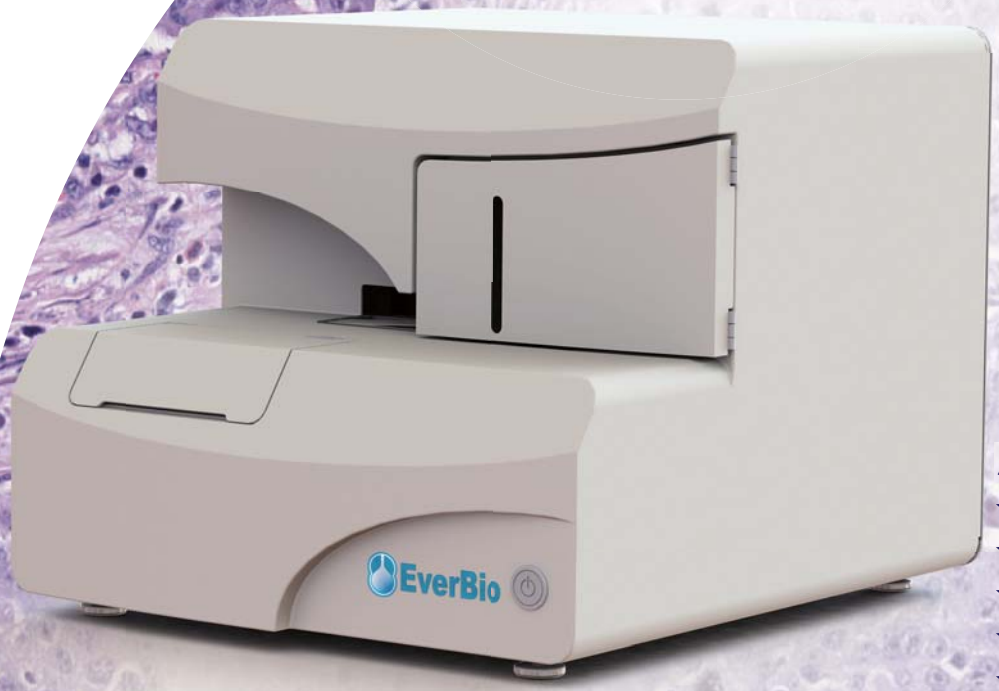
Capacity • Performance • Flexibility

in Fully Automated TMA

- ✓ *Pre-heating block holder*
- ✓ *Laser Scan block height sensor*
- ✓ *Built-in CCD allow easy punching area selection*
- ✓ *Slide image import & integration flexibility*
- ✓ *Patented Coaxial Puncher to eliminate lost core*
- ✓ *Excel file import & export for easy data tracking*
- ✓ *Compatible to hold any standard commercial blocks*
- ✓ *Fully support digital imaging system (Hamamatsu, Aperio image files and annotation)*

AutoTiss 10C

- ★ *10 standard blocks (max)*
- ★ *PCR block*
- ★ *Coaxial Puncher Technology*

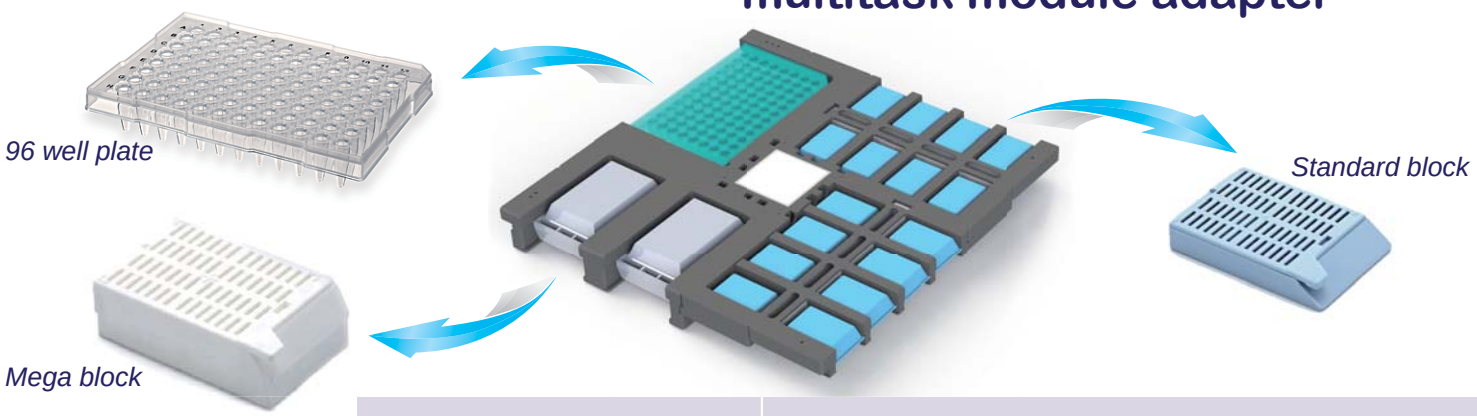


AutoTiss 1000 Plus

- ★ *32 standard blocks (max)*
- ★ *96 Well Adapter*
- ★ *Maga Block Adapter*
- ★ *Coaxial Puncher Technology*
- ★ *Embedded 1D/2D barcode reader*

The flexibility of AutoTiss 1000 *Plus*

multitask module adapter



	AutoTiss 10C	AutoTiss 1000 *Plus*
Automation	Fully Recipient and Transplant automated	
Punch Type	Patented coaxial stainless needle sets (0.6mm / 1.0mm / 1.5mm / 2.0mm / 2.5mm) non-standard core size can be customized	
Core capacity (maximum)	(0.6mm) 600, (1.0mm) 320, (1.5mm) 240, (2.0mm) 84, (2.5mm) 35	
Space Requirement	W470 * D500 * H500mm	W500 * D550 * H450mm
Capacity	10 Blocks	Capacity Maximum : 32 standard blocks (various combination of recipient and donor blocks, ie. 8 recipients and 24 donors)
Stage Module	9 Donor and 1 Recipient	**3 types of stage module:** a) Standard module: 8 - standard blocks b) Macro module: 2 - macroblocks c) PCR module: 1 - 96 well plate Instrument can take 4 modules at the time in the combination of above types.
Speed of Transplant using Premade recipient	15 sec/core	
Controller	PC and LCD Monitor (Windows 10)	
Camera resolution	13 Mpixel Hi-Resolution Camera with autofocus • Capture block image for overview selection • Capture macro-image for donor slide • Capture zoom-in image for high precision selection of tissue position	
Certifications	IEC 61326, IEC 61010-1, FCC	
Pre-Heating	Block holder preheated to 38° C for softening tissue block avoiding dropping points.	
Laser Scan block height	Donor block height are measured to allow tissue transplant into Recepicient block with surface levelled	
Pick on Screen	Both block and donor slide image are captured by digital camera and can be imported for tissue selection overlapping with rotate/stretch function and annotation from digital image supports image files in various format (SVS, TIFF, JPEG, NDPI, BMP, etc)	
Barcode Reader	Optional embedded 1D/2D Bar-code	Embedded 1D/2D Bar-code
Software	User friendly dedicated software for TMA designing/constructing/reporting and for picking & dispensing Offline TMA design using Microsoft Excel file	
File Format	Generation of Excel files with the information related to each TMA core (e.g. Donor Block Identification Code, position taken from each Donor Block)	
Interface with Digital Slide Scanner	Import slide image in various image formats: JPEG, BMP, TIFF, Aperio (SVS), Hamamatsu (NDPI). Import slide image annotation for core selection: Aperio (XML), Hamamatus (NDPA)	