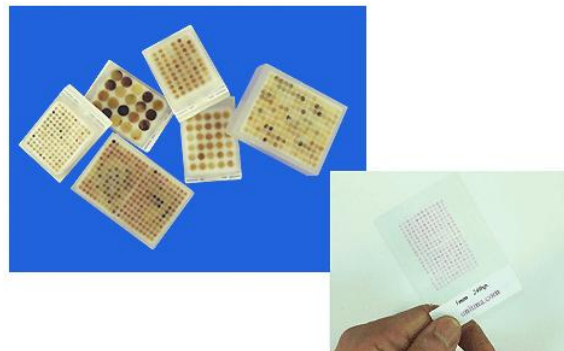


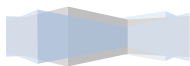


## Tissue Microarray Catalog 2012 – 2013



**The most complete tissue microarray product line  
you can choose from**

**Manual TMA Kits  
Semi-Automatic Tissue Arrayer  
Fully Automated Tissue Microarray Builder**



## EZ-TMA™ Manual Tissue Microarray Kits

Tissue Microarrays (TMAs) are becoming important tool for cancer research and drug discovery. However, current instruments for constructing tissue arrays are expensive, complex and often require specialized technical training. IHC World is now introducing a new series of **EZ-TMA Tissue Microarray Kits** that can be applied to any laboratory, especially small laboratories, for constructing tissue arrays without the need of specialized equipment, offering a good alternative for the wider application of tissue arrays.

Our EZ-TMA Kit contains pre-made paraffin recipient block and disposable biopsy punch needles with plunger and it is **the easiest, most convenient and less expensive kit** available for constructing paraffin tissue microarrays.

With our EZ-TMA Kit, one can construct a tissue array block in minutes, simply by punching the donor tissue cores and insert to the pre-made paraffin recipient block. It's easy, fast and no specific technical training or experience is needed.

### EZ-TMA™ Manual Tissue Microarray Kit 3 - 3 mm x 24 Core



For constructing 3mm x 24 core paraffin tissue microarrays.

**Catalog#** IW-123

**Unit:** Kit

**Price:** \$98

The EZ-TMA Kit 3 comes with:

- One - pre-made paraffin recipient block (3mm x 24 core holes)
- Two - 3mm biopsy punch needles with plunger allowing easily removing tissue cores for insertion
- One - user manual

### EZ-TMA™ Manual Tissue Microarray Kit 4 - 4 mm x 15 Core



For constructing 4mm x 15 core paraffin tissue microarrays.

**Catalog#** IW-124

**Unit:** Kit

**Price:** \$98

The EZ-TMA Kit 4 comes with:

- One - pre-made paraffin recipient block (4mm x 15 core holes)
- Two - 4mm biopsy punch needles with plunger allowing easily removing tissue cores for insertion
- One - user manual

### Biopsy Punch Needles with Plunger



**Price:** \$48 per pack of 4. \$168 per box of 25

Catalog#	Size	Unit		
IW-125-0	1 mm	4/pack	or	25/box
IW-125-1	1.5 mm	4/pack	or	25/box
IW-125-2	2 mm	4/pack	or	25/box
IW-125-3	3 mm	4/pack	or	25/box
IW-125-4	4 mm	4/pack	or	25/box



## Arraymold Tissue Microarrayer

### For Constructing Both Paraffin and Frozen Tissue Microarrays

Tissue microarrays (TMAs) are becoming important tool for cancer research and drug discovery. Current instruments for constructing tissue microarray are either complex, time consuming or expensive. IHC World is now introducing a new tissue arrayer - **Arraymold**, which is **easy, fast, accurate** and **inexpensive**. Most importantly, this tissue arrayer can be used for constructing both paraffin and frozen tissue microarrays.

#### Arraymold Kit A - 2 mm x 60 Core



**Catalog#** IW-110

**Unit:** Kit

**Price:** \$998

The **Arraymold Kit A** comes with:

- Ten - disposable 2 mm sterile dermal biopsy punch
- Two - stylets (used to remove sample from punch)
- One - Brass Plate (for setting Cryoarray punches)
- One - 2 mm reusable rubber Arraymold (**60 core holes**)
- Instructional video for teaching paraffin and cryoarray construction

#### Arraymold Kit B - 1.5 mm x 150 Core



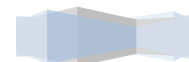
**Catalog#** IW-111

**Unit:** Kit

**Price:** \$998

The **Arraymold Kit B** comes with:

- Ten - disposable 1.5 mm sterile dermal biopsy punch
- Two - stylets (used to remove sample from punch)
- One - Brass Plate (for setting Cryoarray punches)
- One - 1.5 mm reusable rubber Arraymold (**150 core holes**)
- Instructional video for teaching paraffin and cryoarray construction

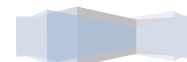


**Arraymold Kit C - 4 mm x 15 Core****Catalog#** IW-112**Unit:** Kit**Price:** \$998The **Arraymold Kit C** comes with:

- Ten - disposable 4 mm sterile dermal biopsy punch
- Two - stylets (used to remove sample from punch)
- One - Brass Plate (for setting Cryoarray punches)
- One - 4 mm reusable rubber Arraymold (**15 core holes**)
- Instructional video for teaching paraffin and cryoarray construction

**Arraymold Kit D - 2 mm x 36 Core****New!****Catalog#** IW-115**Unit:** Kit**Price:** \$698The **Arraymold Kit D** comes with:

- Ten - disposable 2 mm sterile dermal biopsy punch
- Two - stylets (used to remove sample from punch)
- One - Brass Plate (for setting Cryoarray punches)
- One - 2 mm reusable rubber Arraymold (**36 core holes**)
- Instructional video for teaching paraffin and cryoarray construction



**Arraymold Kit E - 1.5 mm x 72 Core****New!****Catalog#** IW-116**Unit:** Kit**Price:** \$698The **Arraymold Kit E** comes with:

- Ten - disposable 1.5 mm sterile dermal biopsy punch
- Two - stylets (used to remove sample from punch)
- One - Brass Plate (for setting Cryoarray punches)
- One - 1.5 mm reusable rubber Arraymold (**72 core holes**)
- Instructional video for teaching paraffin and cryoarray construction

**Arraymold Kit F - 3 mm x 35 Core****Catalog#** IW-117**Unit:** Kit**Price:** \$998The **Arraymold Kit F** comes with:

- Ten - disposable 3 mm sterile dermal biopsy punch
- Two - stylets (used to remove sample from punch)
- One - Brass Plate (for setting Cryoarray punches)
- One - 3 mm reusable rubber Arraymold (**35 core holes**)
- Instructional video for teaching paraffin and cryoarray construction



**Dermal Biopsy Punch**



Price: \$195

Catalog#	Size	Unit
IW-113-1	1.5 mm	50/Box
IW-113-2	2 mm	50/Box
IW-113-3	3 mm	50/Box
IW-113-4	4 mm	50/Box



**Stylet**



Stylet used to remove sample tissue cores from dermal biopsy punch. Note: 2 mm Stylet is used for 2 mm, 3 mm and 4 mm Dermal Biopsy Punch.

Price: \$38

Catalog#	Size	Unit
IW-114-1	1.5 mm	Each
IW-114-2	2 mm	Each



## Quick-Ray® Manual Tissue Microarrayer

**Quick-Ray®** Manual Tissue Microarrayer, a device manufactured with the latest state-of-the-art technology, allow researchers to build **high quality, low cost** tissue arrays in an innovative way. The Quick-Ray Kit is **handy, portable, simple, and easy** to use so one can create various sized tissue microarrays in a very short period of time.

### Quick-Ray Manual Tissue Microarrayer Full Set



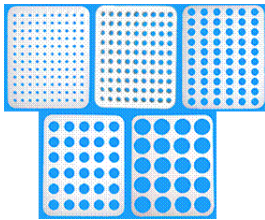
**Catalog#** IW-UT06

**Unit:** Set

**Price:** \$3,800

The Quick-Ray® Manual Full Set comes with:

- One puncher
- Five tips of different sizes (1, 1.5, 2, 3 and 5mm in diameter)
- Five recipient blocks (1mm x 120 wells, 1.5mm x 90 wells, 2mm x 60 wells, 3mm x 30 wells, 5mm x 20 wells)
- One base mold (to hold the recipient block while the tissue cores are transferred to it)
- One set of guide for 1mm recipient block
- One user's guide (manual)



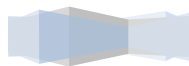
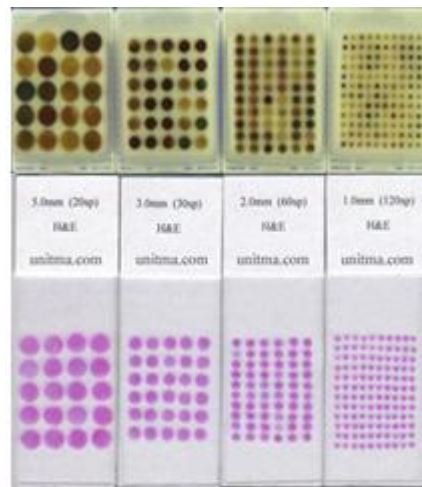
Paraffin Recipient Blocks



Guide for 1mm Recipient Block

The Quick-Ray® Manual Full Set is for building **Five different sized tissue microarrays**

- 1) 1mm x 120 wells
- 2) 1.5mm x 90 wells
- 3) 2mm x 60 wells
- 4) 3mm x 30 wells
- 5) 5mm x 20 wells



**Quick-Ray Single Set 1****Catalog#** IW-UT06T1**Unit:** Set**Price:** \$2,600

The Quick-Ray® Manual Set 1 is for building **1 mm tissue microarrays** (1 mm x 120 wells). **Quick-Ray Mold Kit (IW-UM01-1)** can be purchased separately and used for making additional 1mm (10x17, 170 wells) recipient blocks.

The Quick-Ray® Single Set 1 comes with:

- One puncher
- One tip (1 mm)
- One recipient block (1 mm x 120 wells)
- One base mold (to hold the recipient block while the tissue cores are transferred to it)
- One set of guide for 1mm recipient block
- One user's guide

**Quick-Ray Single Set 2****Catalog#** IW-UT06T2**Unit:** Set**Price:** \$2,400

The Quick-Ray® Manual Set 2 is for building **2 mm tissue microarrays** (2 mm x 60 wells). **Quick-Ray Mold Kit (IW-UM01-2)** can be purchased separately and used for making additional 2mm (7x10, 70 wells) recipient blocks.

The Quick-Ray® Single Set 2 comes with:

- One puncher
- One tip (2 mm)
- One recipient block (2 mm x 60 wells)
- One base mold (to hold the recipient block while the tissue cores are transferred to it)
- One user's guide

**Quick-Ray Single Set 3****Catalog#** IW-UT06T3**Unit:** Set**Price:** \$2,400

The Quick-Ray® Manual Set 3 is for building **3 mm tissue microarrays** (3 mm x 30 wells). **Quick-Ray Mold Kit (IW-UM01-3)** can be purchased separately and used for making additional 3mm (5x8, 40 wells) recipient blocks.

The Quick-Ray® Single Set 3 comes with:

- One puncher
- One tip (3 mm)
- One recipient block (3 mm x 30 wells)
- One base mold (to hold the recipient block while the tissue cores are transferred to it)
- One user's guide

**Quick-Ray Single Set 5****Catalog#** IW-UT06T5**Unit:** Set**Price:** \$2,400

The Quick-Ray® Manual Set 5 is for building **5 mm tissue microarrays** (5 mm x 20 wells)

The Quick-Ray® Single Set 5 comes with:

- One puncher
- One tip (5 mm)
- One recipient block (5 mm x 20 wells)
- One base mold (to hold the recipient block while the tissue cores are transferred to it)
- One user's guide

**Quick-Ray Single Set 1.5****Catalog#** IW-UT06T1.5**Unit:** Set**Price:** \$2,300

The Quick-Ray® Single Set 1.5 is for building **1.5 mm tissue microarrays** (5 mm x 20 wells). **Quick-Ray Mold Kit (IW-UM01-1.5)** can be purchased separately and used for making 1.5mm (10x15, 150 wells) paraffin recipient blocks.

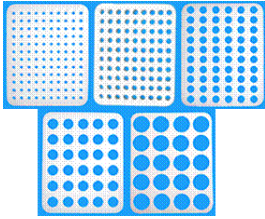
The Quick-Ray® Single Set 1.5 comes with:

- One puncher
- One tip (1.5 mm)
- **No recipient block included.**
- One base mold (to hold the recipient block while the tissue cores are transferred to it)
- One user's guide





**Paraffin Recipient Blocks**



**Price:** \$50 each

The patented recipient block is made of special material that melts when heated at 60°C for 30 minutes. Following sizes are available

Catalog#	Description	Unit
IW-UB06-1	1mm x 120 wells	Each
IW-UB06-1.5	1.5mm x 90 wells	Each
IW-UB06-2	2mm x 60 wells	Each
IW-UB06-3	3mm x 30 wells	Each
IW-UB06-5	5mm x 20 wells	Each

**Quick-Ray Punch Tip**



**Price:** \$380 each

Four sizes available

Catalog#	Description	Unit
IW-UT06-1	1mm tip	Each
IW-UT06-1.5	1.5mm tip	Each
IW-UT06-2	2mm tip	Each
IW-UT06-3	3mm tip	Each
IW-UT06-5	5mm tip	Each

**Guide for 1mm Recipient Block**



**Catalog#** IW-UG06

**Unit:** Set

**Price:** \$300

To be used for building 120 well tissue microarray using 1mm recipient block.

**Base Mold**

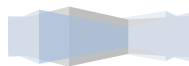


**Catalog#** IW-UBM06

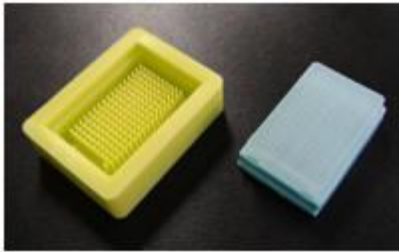
**Unit:** each

**Price:** \$15

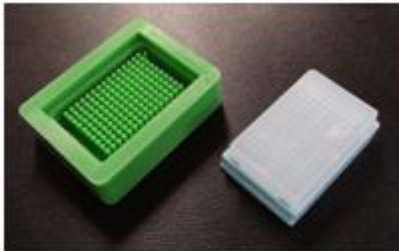
To be used to hold the recipient block while the tissue cores are transferred to it.



**Quick-Ray Mold Kit**



Core Size: 1 mm, 170 holes (10x17)



Core Size: 1.5 mm, 150 holes (10x15)



Core Size: 2 mm, 70 holes (7x10)



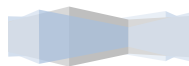
Core Size: 3 mm, 40 holes (5x8)



Core Size: 5 mm, 15 holes (3x5)

For those who concerns over the price of premade recipient blocks, Quick-Ray<sup>®</sup> Mold Kit is an alternative solution. Made from silicon material, Quick-Ray Mold kit allows users to build paraffin recipient blocks by themselves at a lower cost. The core size of each mold is perfectly matching with Quick-Ray<sup>®</sup> Punchers. If stored and handed with care, hundreds of paraffin blocks can be produced by the Quick-Ray<sup>®</sup> Mold Kit.

Catalog#	Description	Price
IW-UM01-1	Core Size: 1 mm 170 holes (10x17)	\$798
IW-UM01-1.5	Core Size: 1.5 mm 150 holes (10x15)	\$798
IW-UM01-2	Core Size: 2 mm 70 holes (7x10)	\$798
IW-UM01-3	Core Size: 3 mm 40 holes (5x8)	\$798
IW-UM01-5	Core Size: 5 mm 15 holes (3x5)	\$798



## Quick-Ray Master Automated Tissue Microarrayer

**UATM-272B**

**Price: \$65,000**



The Quick Ray Master UATM-272B is a newly developed tissue microarrayer running by simply connecting to user's computer through USB port. The instrument is running with the unique UNITMA S/W based on Window7 of user's PC. The changeable tips for the desired core size of the recipient blocks has 4 different sizes which are 1mm(120 holes), 1.5mm(90 holes), 2mm(60 holes), and 3mm(30 holes). UATM-272B is designed to be smarter than UATM-272A but it is very easy for users to be familiar with the instrument.

Quick Ray Master helps the researchers to decrease the time and labor in creating the blocks by using the pre-made recipient blocks to be supplied by Unitma.

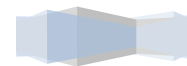
Premade recipient blocks as consumables are purchasable from Unitma.

### Features

- Analysis of many patient tissue samples simultaneously
- Conserves tumors, biopses and other precious biological samples
- Conserves antibodies and other expensive reagents
- Improves assay precision through sample and patient multi-plexing
- Applicable to mRNA and protein expression analysis
- Miniaturize and automate immunohistochemistry, *in situ* hybridization, FISH, and *in situ* PCR
- High-speed preparation of tissue microarray blocks
- Maintains tissue integrity during embedding
- Up to 300 tissues slices per donor block
- Standardized block configuration simply image analysis
- Prepare up to 240 tissue cores per hour
- Core placement success rate > 99%
- Tissue preparation cycle time of 15-18 secs
- Positional accuracy of 5  $\mu$ m at donor blocks

### Specifications

Order: [sales@ihcworld.com](mailto:sales@ihcworld.com) Tel: 443-686-9618 Fax: 443-638-0394 Web: [www.ihcworld.com](http://www.ihcworld.com)



List	Descripton
Product name	Quick Ray Master (Model : UATM-272B)
Instrument type	Automated Tissue Microarrayer
Tip type	Changeable Tips (1mm, 1.5mm, 2mm, and 3mm)
Power supply	100 to 120 VAC, 200 to 240 VAC / 50~60Hz
Dimension(W x D x H)	750 x 600 x 600(mm)
Weight	80kgs
Stage capacity	10 donor blocks and 2 recipient blocks
Speed	1cycle time : 15 ~ 18 sec (Pick & Place)
Camera resolution	1600 x 1200 (2 Mega pixels)
Operating system	Unique UNITMA S/W by Microsoft Windows 7
Recipient block	1mm, 1.5mm, 2mm and 3mm(to be supplied by UNITMA)
Certifications	UL, CE, FCC, ISO

**Quick-Ray® Master**  
**Automated Tissue Microarrayer**

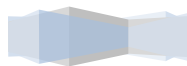
**UATM-272A**

**Price: \$98,000**


Our computer aided Quick Ray Master® is the ultimate automated version of our Quick Ray® that has integrated a PC running under Windows XP® to our tissue microarrayer. The operation is with a touch screen LCD monitor and has multiple connection port with four USB, one LAN interface for internet and one DVI port for external display connection.

This versatile connection ports allows saving image files and reports of the recipient blocks to your USB external memory chips and send this information via LAN connection to any external PC and even through the internet to any place. All this is possible at the tip of your fingers by touching our LCD monitor with all the menus and functions keys.

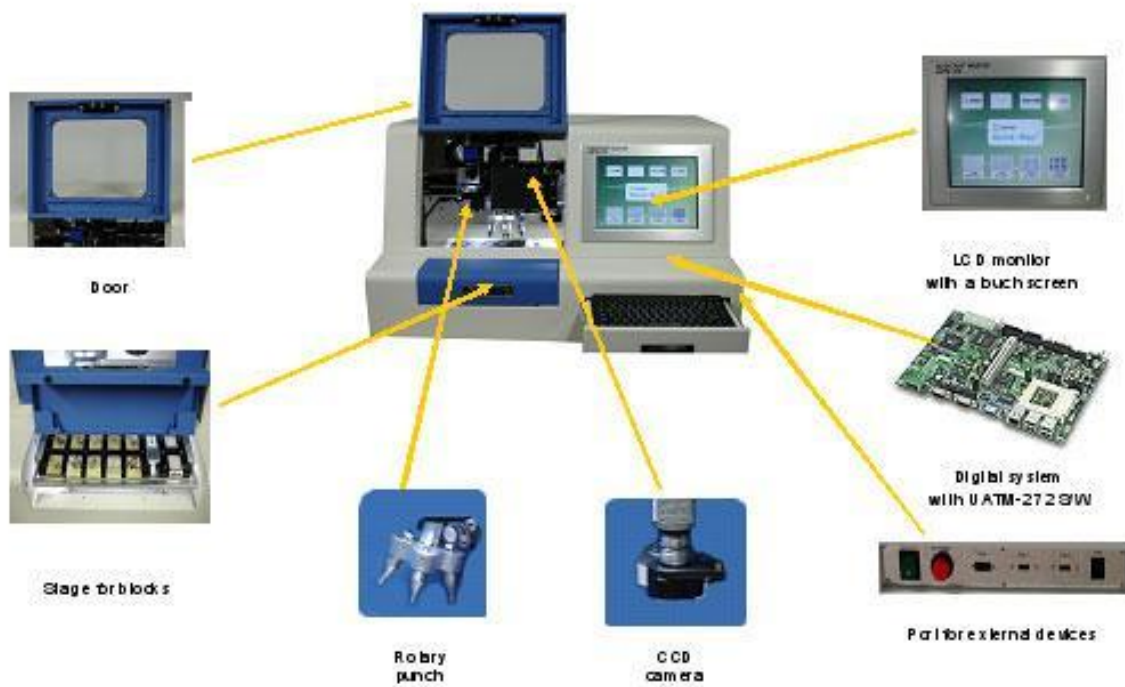
Quick Ray Master® helps the researchers to decrease the time and labor in creating the array blocks, releasing time for other activities, by using our pre-made recipient blocks. The function of the rotational tip module is to offer automatic change of the desired tip of the researcher's option to choose from 3 tips sized 1mm, 2mm, 3mm.



**Technical Specification**

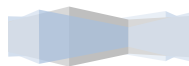
<b>Product name</b>	Quick Ray Master UATM-272
<b>Instrument type</b>	Automated Tissue Microarrayer
<b>Punch type</b>	Rotary puncher(1, 2, 3mm)
<b>Power supply</b>	100 to 120 VAC, 200 to 240 VAC / 50~60Hz
<b>Weight</b>	148 kg
<b>Space required (W x D x H)</b>	953 x 703 x 610 mm
<b>Stage capacity</b>	10donor blocks and 2 recipient blocks
<b>Speed</b>	1cycle time : 15~18 sec (Pick & Place)
<b>Monitor</b>	LCD monitor 15" (1024 x 768) with a touch screen
<b>Camera resolution</b>	1280 x 1024 pixels (2 sets)
<b>Operating system</b>	Unique UNITMA S/W by Microsoft Window XP
<b>Recipient blocks</b>	Recipient block (consumable: to be supplied by UNITMA)
<b>Certifications</b>	

**System components**



### Galileo TMA CK Series HTS Tissue Microarray Platforms

The **Galileo** computer assisted TMA instrument with its open architecture allow an easy and simple TMA preparation (also with different paraffin block sizes) producing a digital excel format reporting and possibility of data transfer to several Digital TMA Slide Scanners(e.g Aperio.) for a complete tracking of the TMA process.



**Galileo TMA CK Series Unique Features:**

- Easy Tissue Microarray design and construction with a wide range of needles (0.6, 1.0, 1.5, 2.0, 3.0 and 5.0 mm diameter)
- PICK & DISPENSE™ OPERATING MODE
- HOLDER FOR MACRO-BLOCKS AND CUSTOM SIZE PARAFFIN BLOCKS
- USER FRIENDLY DEDICATED SOFTWARE (ISETMA SOFTWARE)
- 1D & 2D BARCODE READER
- HIGH SPEED AUTOMATED TRAY WITH MODULAR SAMPLE HOLDER
- HIGH RESOLUTION DIGITAL CAMERA
- LED BACK-LIGHT AND REFLECTED ILLUMINATION

**Three Models Available:**

- Galileo CK2500. Price \$35,000
- Galileo CK3500. Price: \$68,000
- Galileo CK4500. Price: \$98,000

**IHC World, LLC**  
P.O. Box 211  
Woodstock, MD 21163  
USA

Tel: 443-686-9618  
Fax: 443-638-0394  
Email: [sales@ihcworld.com](mailto:sales@ihcworld.com)  
Web: [www.ihcworld.com](http://www.ihcworld.com)

