



MaxArray™ Human Normal Tissue Microarray Slides

Qty: 5 slides

Catalog No. 75-4013

Lot No.

Invitrogen's MaxArray Human Normal Tissue Arrays contain 30 human tissue samples arrayed on Superfrost Plus Microscope slides. Every package contains 5 unstained slides. Each slide contains 30 different tissues from 30 different organs. Each tissue sample (tissue core) is ~1.5 mm in diameter. The type of tissue and their respective position on the array is indicated in the tissue reference chart. MaxArray tissues are fixed in 10% neutral buffered formalin and embedded in paraffin. Each slide contains a 4 µm tissue section. MaxArray Human Normal Tissue Microarray slides are for research use only.

STORAGE

Store at room temperature in a cool dry place.

QUALITY CONTROL

1. Tissues are surgically procured by qualified individuals.
2. H & E slides of donor blocks are examined by Histologists to ensure that the cores are the best representation of subject tissue.

DEPARAFFINIZATION/REHYDRATION PROTOCOL

1. Deparaffinize slides in xylene for 5 minutes.
2. Place in xylene a second time for an additional 5 minutes.
3. Place the slide in absolute alcohol 2 times for 5 minutes each time.
4. 95% alcohol for 5 minutes.
5. 80% alcohol for 5 minutes.
6. Place slide into distilled water rinse until ready to use.

IMMUNOHISTOCHEMISTRY (IHC)

1. Once deparaffinized and rehydrated, arrays can be analyzed by traditional IHC methods. Any antibody that has been proven effective in formalin fixed immunohistochemistry or immunocytochemistry should be applicable to MaxArrays.
2. Blocking and incubations conditions are performed with the normal procedure according to the appropriate antibody specifications.
3. If humidity is required, place the slide on a damp paper towel in a plastic container.
4. All wash solutions and reagents should be gently applied to the array slide to prevent dislodging of the cores.

APPLICATION

MaxArray Human Normal Tissue Microarray slides can be used in many applications including:

1. Immunohistochemistry
2. In situ hybridization, RNA or DNA.
3. Fluorescent in situ hybridization (FISH)** or Chromogenic in situ hybridization (CISH™).
4. MaxArray Human Normal Tissue Microarray slides are for Research Use Only.

**If using fluorescence, please note that tissues inherently autofluoresce and the appropriate filter should be used to distinguish between true fluorescence and autofluorescence. For more information please contact Invitrogen technical support.

www.invitrogen.com

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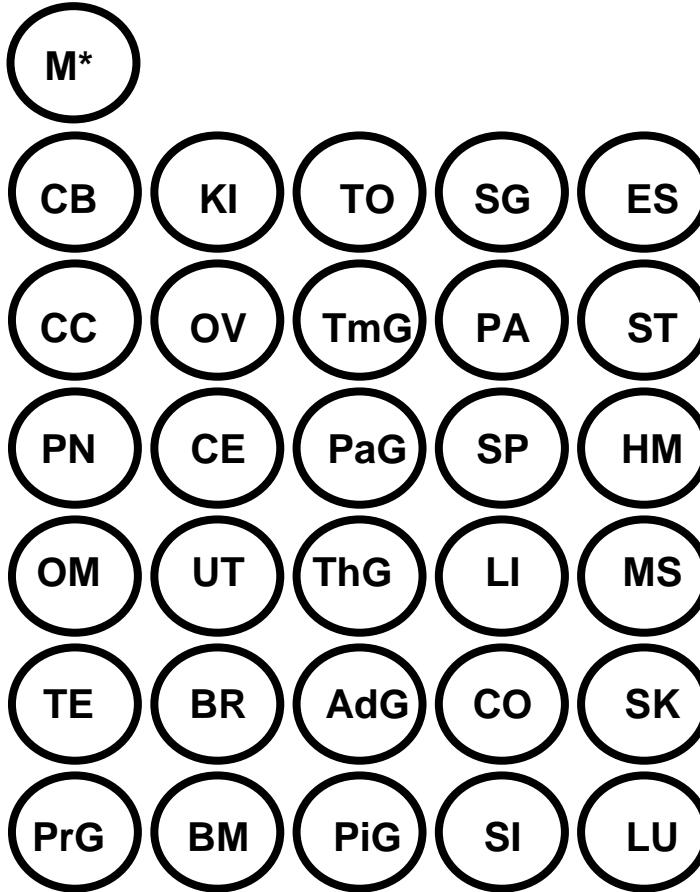
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TISSUE REFERENCE CHART

Below is a list of the tissues that are included in this array. The respective tissue positions are arranged on the chart in the same position as on the array. Orient yourself by locating the **M*** (marking tissue) on the array. The marking tissue used is placenta.



Human Normal Tissue:

LU= Lung
SK= Skin
MS= Muscle, skeletal
HM= Heart muscle
ST= Stomach
ES= Esophagus
SI = Small Intestine
CO= Colon
LI= Liver
SP= Spleen
PA= Pancreas
SG= Salivary Gland
PiG= Pituitary Gland
AdG= Adrenal Gland
ThG= Thyroid Gland
PaG= Parathyroid Gland
TmG= Thymus Gland
TO= Tonsil
BM= Bone marrow
BR= Breast
UT= Uterus
CE= Cervix
OV= Ovary
KI= Kidney
PrG= Prostate Gland
TE= Testis
OM= Omentum
PN= Peripheral Nerve
CC= Cerebral Cortex
CB= Cerebellum

M*: Marking tissue (placenta tissue) for orientation of the MaxArray.

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