



Cat No: **MNO341 - FDA 33 types of normal human tissue array**

Lot#	Cores	Size	Cut	Format	QA/QC		
MNO34101	34	1.5mm	4um	5X7	H&E, IHC anti-Vimentin/Cytokeratin		

Recommended applications: For Research use only. Whole body RNA or protein tissue profiling using IHC or ISH; Antibody characterization.

Description: Designed following the FDA-recommended normal tissue panel for antibody cross-reactivity testing. There are 33 tissue types. Majority of the tissues were from surgical resection. Those highlighted by "*" were from autopsy. All tissues were fixed in 10% neutral buffered formalin for 24 hours and processed using identical SOPs. Sections were picked onto Superfrost Plus or APES coated Superfrost slides. They all have a guaranteed six months' shelf-life at 4C from the date of shipment. Each slide has >95% tissue core retention.

Array position	Sex(es)	Age(s)	Anatomic site	Histology
A1	M	16	Cerebellum*	Normal
A2	M	17	Small intestine	Normal
A3	M	16	Lung	Normal
A4	M	16	Pituitary gland*	Normal
A5	M	30	Spleen	Normal
A6	-	-	Umbilical cord	Normal
B1	M	16	Cerebral cortex*	Normal
B2	M	32	Stomach	Normal
B3	M	43	Liver	Cirrhosis
B4	F	39	Parathyroid	Adenoma
B5	M	16	Spinal cord	Normal
B6	F	56	Thyroid	Normal
B7	M	6	Tonsil	Reactive
C1	M	16	Bone marrow*	Normal
C2	F	25	Fallopian tube	Normal
C3	M	66	Kidney	Normal
C4	M	16	Pancreas*	Normal
C5	M	37	Skin	Normal
C6	M	16	Thymus*	Normal
C7	F	45	Uterus	Normal endometrium
D1	M	55	Bladder	Normal, epithelium may run out
D2	F	43	Breast	Normal
D3	M	16	Heart*	Normal
D4	F	44	Ovary	Normal
D5	M	84	Prostate	Normal
D6	M	16	Testis*	Normal
D7	F	34	Uterus	Normal cervix
E1	M	16	Adrenal gland	Normal
E2	F	52	Breast	Normal breast tissue
E3	M	75	Colon	Normal
E4	F	53	Lymph node	Reactive
E5	-	-	Placenta	Normal
E6	M	46	Stratified muscle	Normal
E7	M	30	Urethra	Normal

Notes: Bake at 60C for 30 minutes before use. If antigen retrieving is needed, it is always a good idea to start with a protocol with weak to mild strength.

Certified by: Langxing Pan, M.D., Ph.D.