


Cat No: ART661 – Normal Rat tissue array

Lot#	Cores	Size	Cut	Format	QA/QC
ART66101	66	1.5mm	4um	8X9	H&E, IHC anti-Vimentin/Cytokeratin



Recommended applications: Whole body RNA or protein rat tissue profiling using IHC or ISH; Antibody characterization.

Description: Tissues cover 22 organs/anatomic sites, all of which have triplicates from 3 individual rats. The 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. Because of small sizes of rat organs, there may be >5% tissue core losses. But the core retention rate should be >90%.

Array position	Sex(es)	Age(s) Month	Anatomic site	Histology
A1,2,3	M,M,M	4,4,4	Adrenal gland	Normal
A4,5,6	M,M,M	4,4,4	Bladder	Normal
A7,8,9	M,M,M	4,4,4	Cerebellum	Normal
B1,2,3	M,M,M	4,4,4	Cerebral cortex	Normal
B4,5,6	M,M,M	4,4,4	GI -Esophagus	Normal
B7,8,9	M,M,M	4,4,4	GI -Stomach	Normal
C1,2,3	M,M,M	4,4,4	GI -Small intestine	Normal
C4,5,6	M,M,M	4,4,4	GI -Colon	Normal
C7,8,9	M,M,M	4,4,4	Heart	Normal
D1,2,3	M,M,M	4,4,4	Kidney cortex	Normal
D4,5,6	M,M,M	4,4,4	Kidney medulla	Normal
D7,8,9	M,M,M	4,4,4	Liver	Normal
E1,2,3	M,M,M	4,4,4	Lung	Normal
E4,5,6	M,M,M	4,4,4	Pancreas	Normal
E7,8,9	M,M,M	4,4,4	Prostate	Normal
F1,2,3	M,M,M	4,4,4	Salivary gland	Normal
F4,5,6	M,M,M	4,4,4	Skin	Normal
F7,8,9	M,M,M	4,4,4	Spleen	Normal
G1,2,3	M,M,M	4,4,4	Striated muscle	Normal
G4,5,6	M,M,M	4,4,4	Testis	Normal
G7,8,9	M,M,M	4,4,4	Thymus	Normal
H1,2,3	M,M,M	4,4,4	Thyroid	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.