



Cat No: MNO1022 Multi-normal human tissues, FDA, 102 samples, 35 organs-sites from three individuals (1.5mm)

Lot#	Cores	Size	Cut	Format	QA/QC
MNO1022	102	1.5mm	4um	8X13	H&E, IHC anti- Cytokeratin



Recommended applications: For research use only. Designed for antibody cross reactivity analysis and IHC or ISH based protein or RNA tissue profiling in normal human tissues.

Description: 35 types of normal tissues based on the FDA recommendation for antibody cross-reactivity testing. Except for few cases, each type has triplicates from 3 individuals.

All the tissues were from surgical resection. They 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 can be stored for use at 4C for up to six months from the date of shipment. **There may be 5 to 10% of tissue core loss.**

Array Position	Age	Sex	Anatomic Site	Pathology
A1	25W	M	Adrenal gland	Normal
A2	23+2W	M	Adrenal gland	Normal
A3	24+1W	M	Adrenal gland	Normal
A4	25W	M	Bladder	Normal
A5	24+1W	M	Bladder	Normal
A6	27+5W	M	Bladder	Normal
A7	33W	M	Bladder	Normal
A8	23+2W	M	bone marrow	Normal
A9	24+1W	M	bone marrow	Normal
A10	36W	F	bone marrow	Normal
A11	25W	F	bone marrow	Normal
A12	25W	M	Eye	Normal
A13	23+2W	M	Eye	Normal
B1	36W	F	Eye	Normal
B2	28W	F	Eye	Normal
B3	25W	M	Brain, cerebellum	Normal
B4	23+2W	M	Brain, cerebellum	Normal
B5	24+1W	M	Brain, cerebellum	Normal
B6	24+1W	M	Brain, cerebellum	Normal
B7	36W	F	Brain, cerebellum	Normal
B8	28W	F	Brain, cerebellum	Normal
B9	25W	M	Brain, cerebral cortex	Normal
B10	23+2W	M	Brain, cerebral cortex	Normal
B11	24+1W	M	Brain, cerebral cortex	Normal
B12	24+1W	M	Brain, cerebral cortex	Normal
B13	36W	F	Brain, cerebral cortex	Normal
C1	28W	F	Brain, cerebral cortex	Normal
C2	25W	M	Esophagus	Normal
C3	23+2W	M	Esophagus	Normal
C4	36W	F	Esophagus	Normal



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C5	25W	M	Stomach	Normal
C6	23+2W	M	Stomach	Normal
C7	36W	F	Stomach	Normal
C8	28W	F	Stomach	Normal
C9	33W	M	Intestine, small intestine	Normal
C10	23+2W	M	Intestine, small intestine	Normal
C11	25W	F	Intestine, small intestine	Normal
C12	24+1W	M	Intestine, colon	Normal
C13	33W	M	Intestine, colon	Normal
D1	36W	F	Intestine, colon	Normal
D2	25W	M	Intestine, rectum	Normal
D3	23W	M	Intestine, rectum	Normal
D4	35W	M	Intestine, rectum	Normal
D5	25W	M	Heart	Normal
D6	23+2W	M	Heart	Normal
D7	24+1W	M	Heart	Normal
D8	24+1W	M	Heart	Normal
D9	36W	F	Heart	Normal
D10	28W	F	Heart	Normal
D11	25W	M	Kidney, cortex	Normal
D12	24+1W	M	Kidney, cortex	Normal
D13	36W	F	Kidney, cortex	Normal
E1	25W	M	Kidney, medulla	Normal
E2	24+1W	M	Kidney, medulla	Normal
E3	36W	F	Kidney, medulla	Normal
E4	23W	M	Peripheral nerve, Sciatic nerve	Normal
E5	25W	M	Peripheral nerve, Sciatic nerve	Normal
E6	28W	F	Peripheral nerve, Sciatic nerve	Normal
E7	25W	F	Peripheral nerve, Sciatic nerve	Normal
E8	25W	M	Ureter	Normal
E9	33W	M	Ureter	Normal
E10	25W	M	Liver	Normal
E11	23+2W	M	Liver	Normal
E12	36W	F	Liver	Normal
E13	28W	F	Liver	Normal
F1	25W	M	Lung	Normal
F2	23+2W	M	Lung	Normal
F3	36W	F	Lung	Normal
F4	28W	F	Lung	Normal
F5	25W	M	Pancreases	Normal
F6	35W	M	Pancreases	Normal
F7	33W	M	Pancreases	Normal
F8	36W	F	Pancreases	Normal
F9	33W	M	Pituitary gland	Normal
F10	23W	M	Pituitary gland	Normal
F11	28W	F	Pituitary gland	Normal
F12	25W	M	Placenta	Normal
F13	23+2W	M	Placenta	Normal
G1	36W	F	Placenta	Normal
G2	25W	M	Skin	Normal
G3	23+2W	M	Skin	Normal
G4	25W	F	Skin	Normal
G5	25W	M	Spinal cord	Normal



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G6	23+2W	M	Spinal cord	Normal
G7	28W	F	Spinal cord	Normal
G8	36W	F	Spinal cord	Normal
G9	33W	M	Spleen	Normal
G10	35W	M	Spleen	Normal
G11	36W	F	Spleen	Normal
G12	25W	F	Spleen	Normal
H1	25W	M	Skeletal muscle	Normal
H2	23+2W	M	Skeletal muscle	Normal
H3	24+1W	M	Skeletal muscle	Normal
H4	24+1W	M	Testis	Normal
H5	24+1W	M	Testis	Normal
H6	25W	M	Thymus	Normal
H7	24+1W	M	Thymus	Normal
H8	24+1W	M	Thymus	Normal
H9	36W	F	Thymus	Normal
H10	25W	M	Thyroid	Normal
H11	33W	M	Thyroid	Normal
H12	36W	F	Thyroid	Normal

Notes: Bake at 60C for ~60 minutes before use. If antigen retrieving is needed, it is important to avoid **direct-boiling and high pH or high strength** antigen retrieving buffer.

Certified by: Fancai Li, M.D.