



Cat No: CVD231 – Cardiovascular disease tissue array

Lot#	Cores	Size	Cut	Format	QA/QC
CVD23101	23	2.5mm	4um	4X6	H&E, IHC anti-CD34

Recommended applications: For research use only. RNA or protein tissue profiling using IHC or ISH suitable for blood vessel or endothelial cell related studies.

Description: 23 cases of normal, reactive and neoplastic cardiovascular conditions. Designed for blood vessel or endothelial cell related studies.

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	Sex	Age	Anatomic Site	Pathology	Grade	Stage
A01	M	16	Blood vessel, artery	Aneurysm*	null	null
A02	F	40	Kidney	Angioleiomyoma	null	null
A03	M	16	Blood vessel, aorta	Normal aorta*	null	null
A04	M	46	Blood vessel, main artery	Atherosclerosis*	null	null
A05	M	70	Stomach	Chronic ulcer, granuloma	null	null
A06	M	46	Heart	Heart, myocardium*	null	null
B01	M	46	Heart	Heart, atrium*	null	null
B02	F	40	Liver	Hemangioma	null	null
B03	F	7M	Kidney	Hemangioma	null	null
B04	M	20	Head and neck, nasal cavity	Hemangioma	null	null
B05	M	10M	Skin	Hemangioma	null	null
B06	F	54	Spleen	Hemangioma	null	null
C01	M	36	Spleen	Hypertension arteries	null	null
C02	M	1.3	Lymph node	Reactive	null	null
C03	M	48	Heart, left atrium	Myxoma	null	null
C04	M	60	Pericardium	Pericardial mesothelial sarcoma	null	null
C05	F	27	Placenta	Normal	null	null
C06	F	32	Heart	Rheumatic mitral valvulitis	null	null
D01	M	30	Spleen	Normal spleen	null	null
D02	M	48	Blood vessel, vein	Thrombosis	null	null
D03	F	27	Umbilical cord	Umbilical cord	null	null
D04	F	45	Blood vessel, leg vein	Vasculitis	null	null
D05	M	16	Blood vessel, large vein	Normal vein*	null	null

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