
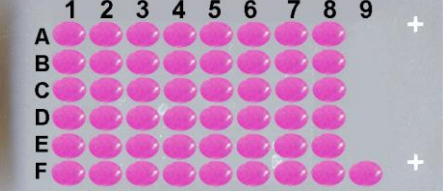


Cat No: BRC491 – Breast cancer tissue array

Lot#	Cores	Size	Cut	Format	QA/QC
BRC49101	49	1.7mm	4um	6X9	H&E, IHC anti-Cytokeratin

Recommended applications: For Research use only. RNA or protein breast cancer/non-tumor tissue profiling using IHC or ISH; Antibody characterization.

Description: Breast cancer tissue array, 49 cores including 49 cases of breast cancers.

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	F	49	Breast	Tumor tissue has run out	null	null
A02	F	54	Breast	Invasive ductal carcinoma	II	T2N0M0
A03	F	92	Breast	Invasive ductal carcinoma	II~III	T4N1M0
A04	F	68	Breast	Invasive micropapillary carcinoma	II~III	T4N1M0
A05	F	50	Breast	Invasive ductal carcinoma	I	T3N0M0
A06	F	51	Breast	Invasive ductal carcinoma	I~II	T2N1M0
A07	F	44	Breast	Invasive ductal carcinoma	I	T2N1M0
A08	F	52	Breast	Invasive ductal carcinoma	II	T3N1M0
B01	F	60	Breast	Invasive ductal carcinoma	II~III	T2N2M0
B02	F	62	Breast	Invasive lobular carcinoma	II	T3N1M0
B03	F	35	Breast	Invasive ductal carcinoma	II	T2N0M0
B04	F	50	Breast	Invasive lobular carcinoma	I~II	T4N1M0
B05	F	65	Breast	Invasive ductal carcinoma	II~III	T2N0M0
B06	F	45	Breast	Invasive ductal carcinoma	II~III	T2N1M0
B07	F	37	Breast	Invasive ductal carcinoma	II~III	T2N0M0
B08	F	57	Breast	Invasive ductal carcinoma	II~III	T2N0M0
C01	F	74	Breast	Invasive ductal carcinoma	II~III	T2N0M0
C02	F	50	Breast	Ductal carcinoma in situ	null	TisN0M0
C03	F	50	Breast	Invasive ductal carcinoma	II	T2N0M0
C04	F	42	Breast	Invasive ductal carcinoma	III	T2N0M0
C05	F	50	Breast	Invasive ductal carcinoma	II	T3N1M0
C06	F	44	Breast	Invasive ductal carcinoma	II~III	T1N0M0
C07	F	61	Breast	Invasive ductal carcinoma	II~III	T3N1M0
C08	F	43	Breast	Invasive ductal carcinoma	II~III	T2N1M0
D01	F	44	Breast	Invasive ductal carcinoma	II~III	T2N0M0
D02	F	40	Breast	Invasive ductal carcinoma	III	T2N0M0
D03	F	28	Breast	Invasive ductal carcinoma	I~II	T2N1M0
D04	F	50	Breast	Invasive ductal carcinoma	II	T3N0M0
D05	F	51	Breast	Invasive ductal carcinoma	II~III	T4N1M0
D06	F	48	Breast	Invasive ductal carcinoma	II~III	T2N1M0
D07	F	46	Breast	Invasive lobular carcinoma	I	T3N1M0
D08	F	63	Breast	Invasive ductal carcinoma	II~III	T2N1M0
E01	F	43	Breast	Invasive ductal carcinoma	II	T2N0M0
E02	F	36	Breast	Invasive ductal carcinoma	II	T2N0M0
E03	F	48	Breast	Invasive ductal carcinoma	II~III	T2N1M0
E04	F	30	Breast	Invasive ductal carcinoma	II	T2N0M0
E05	F	56	Breast	Invasive ductal carcinoma	II~III	T2N0M0
E06	F	53	Breast	Invasive ductal carcinoma	II~III	T2N1M0
E07	F	42	Breast	Invasive ductal carcinoma	II	T2N0M0
E08	F	31	Breast	Invasive ductal carcinoma	II~III	T2N1M0



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F01	F	28	Breast	Ductal carcinoma in situ	I	TisN0M0
F02	F	41	Breast	Ductal carcinoma in situ	I	TisN0M0
F03	F	43	Breast	Invasive ductal carcinoma	I~II	T2N1M0
F04	F	41	Breast	Invasive ductal carcinoma	II~III	T2N1M0
F05	F	64	Breast	Invasive ductal carcinoma	II~III	T2N0M0
F06	F	47	Breast	Invasive ductal carcinoma	II~III	T3N1M0
F07	F	33	Breast	Invasive ductal carcinoma	III	T2N0M0
F08	F	55	Breast	Invasive ductal carcinoma	III	T2N0M0
F09	F	37	Breast	Ductal carcinoma in situ	null	TisN0M0

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. For availability of complimentary IHC data, please contact us at info@pantomics.com.

Certified by: Langxing Pan, M.D.

TNM Classification: Breast carcinoma

T- Primary tumor

TX - Primary tumor cannot be assessed

TO - No evidence of primary tumor

Tis - Carcinoma in situ, intraductal carcinoma or lobular carcinoma in situ, or Paget's disease of the nipple with no tumor

T1 - Tumor 2 cm or less in greatest dimension

T2 - Tumor more than 2 cm but not more than 5 cm in greatest dimension

T3 - Tumor more than 5 cm in greatest dimension

T4 - Tumor of any size with direct extension to chest wall or skin

N - Regional lymph nodes

NX - Regional lymph nodes cannot be assessed

NO - No regional lymph node metastasis

N1 - Metastasis to movable ipsilateral lymph node(s)

N2 - Metastasis to ipsilateral lymph nodes(s) fixed to one another or to other structure

N3 - Metastasis to ipsilateral internal mammary lymph node(s)

M - Distant metastasis

MX - Distant metastasis cannot be assessed

MO - No distant metastasis

M1 - Distant metastasis

TNM classification of malignant tumours, Fifth Edition (1997)