



**Cat No: BRD181 – Breast disease tissue array**

Lot#	Cores	Size	Cut	Format	QA/QC		
BRD18101	18	2.5mm	4um	4X5	H&E, IHC anti-Cytokeratin		

**Recommended applications:** For Research use only. Designed for breast disease RNA or protein tissue profiling using IHC or ISH.

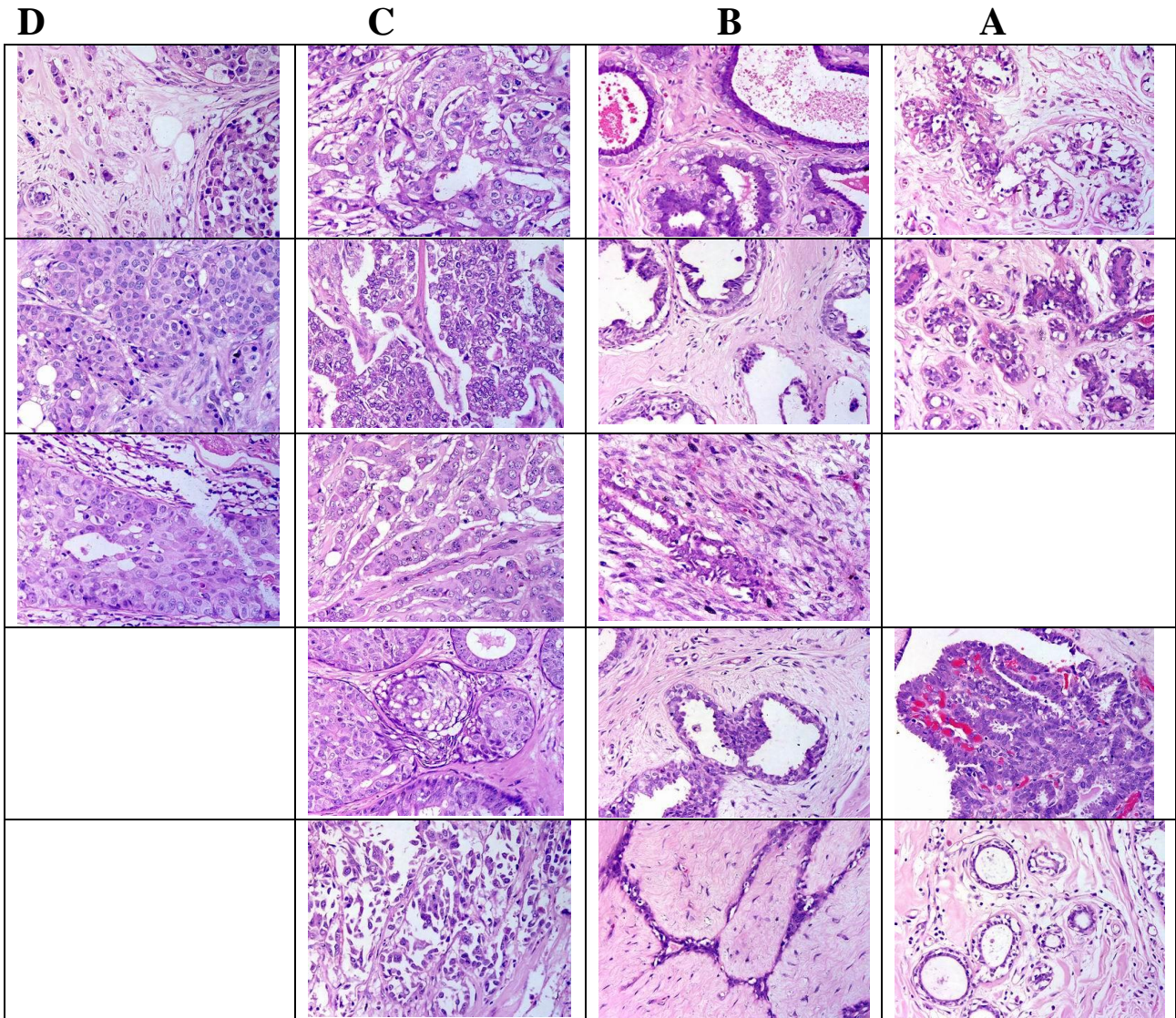
**Description:** 6 types, 18 cases of reactive and tumor tissues of the breast.

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	52	Breast	Normal	null	null
A02	F	50	Breast	Normal	null	null
A03	F	39	Breast	Hyperplasia	null	null
A04	F	49	Breast	Hyperplasia	null	null
A05	F	49	Breast	Hyperplasia	null	null
B01	F	41	Breast	Hyperplasia	null	null
B02	M	23	Breast	Hyperplasia	null	null
B03	F	45	Breast	Fibroadenoma	null	null
B04	F	25	Breast	Fibroadenoma	null	null
B05	F	32	Breast	Fibroadenoma	null	null
C01	F	50	Breast	Invasive ductal carcinoma	II	T3N1M0
C02	F	43	Breast	Invasive ductal carcinoma	II	T3N1M0
C03	F	47	Breast	Invasive ductal carcinoma	II	T3N1M0
C04	F	37	Breast	Ductal carcinoma in situ	null	TisN0M0
C05	F	34	Breast	Invasive ductal carcinoma	III	T3N1M0
D01	F	47	Breast	Invasive ductal carcinoma	I~II	T3N1M0
D02	F	47	Breast	Invasive ductal carcinoma	II~III	T3N1M0
D03	F	51	Breast	Paget's disease	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](mailto: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)