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Advancing Biomedical Science Through Tissus Arrays

Cat No: **BRC15010** - Breast cancer tissue array

Lot#	Cores	Size	Cut	Format	QA/QC	1 2 3 4 5 6 7	8 9 10 11 12 13 14 15
BRC1501001	150	1.1mm	4um	10X15	H&E, IHC anti- Cytokeratin	Partick, Inc.	

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, set 10, non-overlapping with BRC1501 to BRC1509 or BRC15011 to BRC15011 or BRC1503,150 cores from normal/benign (5 cases) and cancer (70 cases) tissues in duplicates with grading, TNM staging data, AR, ER, PR, HER2, P53, EGFR, Ki67 IHC data

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	42	Breast	Normal, hyperplasia	null	null
A02	F	50	Breast	Normal, hyperplasia	null	null
A03	F	34	Breast	Fibroadenoma	null	null
A04	F	16	Breast	Fibroadenoma	null	null
A05	F	45	Breast	Fibroadenoma	null	null
A06	F	39	Breast	Lobular carcinoma in situ	null	TisN0M0
A07	F	49	Breast	Mucinous adenocarcinoma	null	T1N0M0
A08	F	54	Breast	Invasive ductal carcinoma	III	T2N0M0
A09	F	44	Breast	Invasive ductal carcinoma	III	T2N1M0
A10	F	54	Breast	Invasive ductal carcinoma	II	T1N0M0
A11	F	54	Breast	Invasive ductal carcinoma	III	T1N0M0
A12	F	37	Breast	Invasive ductal carcinoma	III	T1N0M0
A13	F	45	Breast	Invasive ductal carcinoma	II	T2N0M0
A14	F	43	Breast	Invasive ductal carcinoma	II	T1N0M0
A15	F	45	Breast	Invasive lobular carcinoma	II	T2N1M0
B01	F	42	Breast	Normal, hyperplasia	null	null
B02	F	50	Breast	Normal, hyperplasia	null	null
B03	F	34	Breast	Fibroadenoma	null	null
B04	F	16	Breast	Fibroadenoma	null	null
B05	F	45	Breast	Fibroadenoma	null	null
B06	F	39	Breast	Lobular carcinoma in situ	null	TisN0M0
B07	F	49	Breast	Mucinous adenocarcinoma	null	T1N0M0
B08	F	54	Breast	Invasive ductal carcinoma	III	T2N0M0
B09	F	44	Breast	Invasive ductal carcinoma	III	T2N1M0
B10	F	54	Breast	Invasive ductal carcinoma	II	T1N0M0
B11	F	54	Breast	Invasive ductal carcinoma	III	T1N0M0
B12	F	37	Breast	Invasive ductal carcinoma	III	T1N0M0
B13	F	45	Breast	Invasive ductal carcinoma	II	T2N0M0
B14	F	43	Breast	Invasive ductal carcinoma	II	T1N0M0
B15	F	45	Breast	Invasive lobular carcinoma	II	T2N1M0
C01	F	45	Breast	Invasive ductal carcinoma	II	T2N1M0
C02	F	47	Breast	Invasive ductal carcinoma	I∼II	T1N0M0
C03	F	32	Breast	Invasive lobular carcinoma	II	T2N0M0
C04	F	44	Breast	Invasive ductal carcinoma	II	T2N1M0
C05	F	50	Breast	Invasive lobular carcinoma	II	T2N0M0
C06	F	37	Breast	Invasive ductal carcinoma	II	T4N0M0
C07	F	49	Breast	Invasive ductal carcinoma	III	T2N0M0
C08	F	45	Breast	Invasive ductal carcinoma	II	T2N2M0

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	Adva	incing B	iomedical Scien	nce Through Tissue Amaye		
G09	F	62	Breast	Invasive ductal carcinoma	II	T2N0M0
G10	F	73	Breast	Invasive lobular carcinoma	I∼II	T2N0M0
G11	F	26	Breast	Invasive ductal carcinoma	II	T1N1M0
G12	F	42	Breast	Invasive ductal carcinoma	III	T2N0M0
G13	F	43	Breast	Invasive ductal carcinoma	I	T2N0M0
G14	F	45	Breast	Invasive lobular carcinoma	II	T2N0M0
G15	F	46	Breast	Invasive ductal carcinoma	II	T2N1M0
H01	F	48	Breast	Invasive ductal carcinoma	I~II	T2N0M0
H02	F	45	Breast	Invasive ductal carcinoma	II	T2N0M0
H03	F	40	Breast	Invasive ductal carcinoma	II	T1N1M0
H04	F	70	Breast	Invasive ductal carcinoma	II	T2N0M0
H05	F	52	Breast	Invasive ductal carcinoma	II	T2N0M0
H06	F	53	Breast	Invasive ductal carcinoma	II	T2N0M0
H07	F	65	Breast	Invasive ductal carcinoma	II	T2N0M0
H08	F	43	Breast	Invasive ductal carcinoma	II	T2N0M0
H09	F	62	Breast	Invasive ductal carcinoma	II	T2N0M0
H10	F	73	Breast	Invasive lobular carcinoma	I~II	T2N0M0
H11	F	26	Breast	Invasive ductal carcinoma	II	T1N1M0
H12	F	42	Breast	Invasive ductal carcinoma	III	T2N0M0
H13	F	43	Breast	Invasive ductal carcinoma	I	T2N0M0
H14	F	45	Breast	Invasive ductar carcinoma	II	T2N0M0
H15	F	46	Breast	Invasive ductal carcinoma	II	T2N0M0
I01	F	81	Breast	Invasive ductal carcinoma	II	T2N1M0
I02	F	55	Breast	Invasive ductal carcinoma	II	T2N0M0
I03	F	54	Breast	Invasive ductal carcinoma	II	T2N0M0
103	F	26	Breast	Invasive ductal carcinoma	II	T2N0M0
105	F	54	+		I~II	
106	F	73	Breast Breast	Invasive ductal carcinoma Invasive lobular carcinoma	II	T2N0M0 T1N0M0
107	F	39	+			T2N0M0
	F		Breast	Invasive papillary adenocarcinoma	null	
I08 I09	F	60 36	Breast	Invasive ductal carcinoma	II	T2N1M0
	F	48	Breast	Invasive ductal carcinoma	II	T1N0M0
I10		_	Breast	Invasive ductal carcinoma		T2N0M0
I11	F	57	Breast	Invasive lobular carcinoma	II	T2N1M0
I12	F	44	Breast	Invasive ductal carcinoma	II	T2N0M0
I13	F	50 52	Breast	Invasive ductal carcinoma	II	T2N1M0
I14	F	-	Breast	Invasive ductal carcinoma	II	T2N2M0
I15	F	55	Breast	Invasive ductal carcinoma	II	T2N0M0
J01	F	81	Breast	Invasive ductal carcinoma	II	T2N0M0
J02		55	Breast	Invasive ductal carcinoma	II	T2N0M0
J03	F	54	Breast	Invasive ductal carcinoma	II	T2N0M0
J04	F	26	Breast	Invasive ductal carcinoma	II	T2N2M0
J05	F	54	Breast	Invasive ductal carcinoma	I∼II	T2N0M0
J06	F	73	Breast	Invasive lobular carcinoma	II	T1N0M0
J07	F	39	Breast	Invasive papillary adenocarcinoma	null	T2N0M0
J08	F	60	Breast	Invasive ductal carcinoma	II	T2N1M0
J09	F	36	Breast	Invasive ductal carcinoma	II	T1N0M0
J10	F	48	Breast	Invasive ductal carcinoma	II	T2N0M0
J11	F	57	Breast	Invasive lobular carcinoma	II	T2N1M0
J12	F	44	Breast	Invasive ductal carcinoma	II	T2N0M0
J13	F	50	Breast	Invasive ductal carcinoma	II	T2N1M0
J14	F	52	Breast	Invasive ductal carcinoma	II	T2N2M0
J15	F	55	Breast	Invasive ductal carcinoma	II	T2N0M0

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.

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Advancing Biomedical Science Through Tissue Artia

Certified by: Fancai Li, 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 greasiest 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)