

# Data Sheet

**Product Name: Breast Tumor Tissue Array - 16 cases of breast cancer, each in duplicates, paired with adjacent normal tissues**

**Catalog No.: Z7020007**

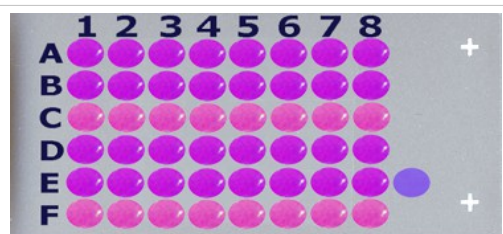
**Lot No.: C507053**

**Species:**  Human  Mouse  Rat  Monkey (Rh)  Guinea Pig  Porcine  
 Bovine  Hamster  Dog  Monkey (Cy)  Rabbit  Plant

**Tissue Type:**  Normal  Adult  Fetal  Tumor  Disease

**Tissue Array Diagram:**

Cores	Size	Cut	Format	QA/QC
48	2.0 mm	4 µm	6X8	H&E, IHC anti-Cytokeratin



**Recommended applications:** For research use only. Designed for breast normal vs cancer RNA or protein tissue profiling using IHC or ISH. Duplicated tumor tissues from each case are arrayed to minimize heterogeneity.

**Description:** 16 cases of breast cancer, each in duplicates, with corresponding uninvolved tissue from the same patient as control. 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 all have a guaranteed six months' shelf-life at 4°C from the date of shipment. Because of their tiny sizes, normal breast glands may run out from some of the paired uninvolved tissues. There may be >5% tissue core loss, but the core retaining rate should be >90%.

Array position	Sex	Age	Anatomic Site	Pathology	Stage (TNM)	Grade
A01	F	28	Breast	Invasive ductal carcinoma	T1N0M0	I
A02	F	56	Breast	Invasive ductal carcinoma	T1N0M0	I
A03	F	38	Breast	Invasive ductal carcinoma	T4N0M0	III
A04	F	74	Breast	Invasive ductal carcinoma	T2N0M0	II~III
A05	F	33	Breast	Invasive ductal carcinoma	T2N0M0	III
A06	F	61	Breast	Invasive ductal carcinoma	T3N0M0	III
A07	F	50	Breast	Invasive ductal carcinoma	T2N1M0	II~III
A08	F	40	Breast	Invasive ductal carcinoma	T2N0M0	III
B01	F	28	Breast	Invasive ductal carcinoma	T1N0M0	I
B02	F	56	Breast	Invasive ductal carcinoma	T1N0M0	I
B03	F	38	Breast	Invasive ductal carcinoma	T4N0M0	III

B04	F	74	Breast	Invasive ductal carcinoma	T2N0M0	II~III
B05	F	33	Breast	Invasive ductal carcinoma	T2N0M0	III
B06	F	61	Breast	Invasive ductal carcinoma	T3N0M0	III
B07	F	50	Breast	Invasive ductal carcinoma	T2N1M0	II~III
B08	F	40	Breast	Invasive ductal carcinoma	T2N0M0	III
C01	F	28	Breast	Uninvolved breast tissue of A1,B1		
C02	F	56	Breast	Uninvolved breast tissue of A2,B2		
C03	F	38	Breast	Uninvolved breast tissue of A3,B3		
C04	F	74	Breast	Uninvolved breast tissue of A4,B4		
C05	F	33	Breast	Uninvolved breast tissue of A5,B5		
C06	F	61	Breast	Uninvolved breast tissue of A6,B6		
C07	F	50	Breast	Uninvolved breast tissue of A7,B7		
C08	F	40	Breast	Uninvolved breast tissue of A8,B8		
D01	F	35	Breast	Invasive ductal carcinoma	T2N0M0	II
D02	F	53	Breast	Invasive ductal carcinoma	T2N1M0	II~III
D03	F	47	Breast	Invasive ductal carcinoma	T2N0M0	II~III
D04	F	36	Breast	Invasive ductal carcinoma	T2N0M0	II~III
D05	F	77	Breast	Invasive ductal carcinoma	T2N0M0	III
D06	F	43	Breast	Invasive lobular carcinoma	T4N1M0	I
D07	F	47	Breast	Invasive ductal carcinoma	T2N0M0	I~II
D08	F	66	Breast	Invasive ductal carcinoma, tubular type	T2N0M0	I~II
E01	F	35	Breast	Invasive ductal carcinoma	T2N0M0	II
E02	F	53	Breast	Invasive ductal carcinoma	T2N1M0	II~III
E03	F	47	Breast	Invasive ductal carcinoma	T2N0M0	II~III
E04	F	36	Breast	Invasive ductal carcinoma	T2N0M0	II~III
E05	F	77	Breast	Invasive ductal carcinoma	T2N0M0	III
E06	F	43	Breast	Invasive lobular carcinoma	T4N1M0	I
E07	F	47	Breast	Invasive ductal carcinoma	T2N0M0	I~II
E08	F	66	Breast	Invasive ductal carcinoma, tubular type	T2N0M0	I~II
F01	F	35	Breast	Uninvolved breast tissue of D1,E1		

F02	F	53	Breast	Uninvolved breast tissue of D2,E2		
F03	F	47	Breast	Uninvolved breast tissue of D3,E3		
F04	F	36	Breast	Uninvolved breast tissue of D4,E4		
F05	F	77	Breast	Uninvolved breast tissue of D5,E5		
F06	F	43	Breast	Uninvolved breast tissue of D6,E6		
F07	F	47	Breast	Uninvolved breast tissue of D7,E7		
F08	F	66	Breast	Uninvolved breast tissue of D8,E8		

**Notes:** Bake at 60°C for 30 minutes before use. If antigen retrieving is needed, it is always a good idea to start with a protocol with weak to mild strength.

**Staining Scoring:** “-“ – no staining; “+“-“ – borderline staining; “+” – weak staining; “++” – moderate staining; “+++” – strong staining; “%” – percentage of positive cells.

**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)

**FOR IN VITRO RESEARCH USE ONLY**

**APPROVED BY:**

