

*Reveal Biosciences offers Histochemical Staining, Immunohistochemistry (IHC), In Situ Hybridization (ISH), Whole Slide Imaging, and Quantitative Image Analysis on any TMA*

## BC10 - Breast Cancer Tissue Microarray

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
D	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
E	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
F	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
G	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
H	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
I	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
J	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

**Cases:** 75

**Cores:** 150

**Core Size:** 1.1mm

**Core Thickness:** 4um

**Format:** 10 x 15

**QA/QC:** H&E,  
IHC anti-Cytokeratin

● Normal   ● Benign   ● Malignant   ● Orientation core

**Description:** Breast cancer tissue array, 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 tissues were fixed in 10% neutral buffer formalin for 24 hours and processed using identical SOPs. Sections were picked onto Superfrost Plus or Startfrost Adhesive slides. All TMAs are cut fresh upon ordering. They all have a guaranteed six month shelf-life at 4 degrees Celsius from the date of shipment. Additional cores not listed are orientation markers and have no data. There may be <5% core loss per slide but the core retention rate should be >90%.

**Note:** Bake at 60°C for 30 minutes before use.

Pos.	Sex	Age	Anatomic Site	Pathology	Grade	Stage (TNM)
A01	F	47.0	Breast	Normal, hyperplasia		
A02	F	40.0	Breast	Normal, hyperplasia		
A03	F	42.0	Breast	Normal, hyperplasia		
A04	F	16.0	Breast	Fibroadenoma		
A05	F	50.0	Breast	Fibroadenoma		
A06	F	35.0	Breast	Invasive ductal carcinoma	III	T4N0M0
A07	F	40.0	Breast	Invasive ductal carcinoma	II	T2N0M0
A08	F	53.0	Breast	Ductal carcinoma in situ	I	TisN0M0
A09	F	45.0	Breast	Ductal carcinoma in situ	I	TisN0M0
A10	F	56.0	Breast	Invasive ductal carcinoma	II	T2N0M0
A11	F	33.0	Breast	Invasive ductal carcinoma	II	T2N0M0
A12	F	37.0	Breast	Invasive ductal carcinoma	II~III	T3N1M0
A13	F	50.0	Breast	Invasive ductal carcinoma	II	T3N0M0
A14	F	64.0	Breast	Invasive tubular carcinoma	II~III	T2N1M0
A15	F	44.0	Breast	Invasive ductal carcinoma	II	T3N1M0
B01	F	47.0	Breast	Normal, hyperplasia		
B02	F	40.0	Breast	Normal, hyperplasia		
B03	F	42.0	Breast	Normal, hyperplasia		
B04	F	16.0	Breast	Fibroadenoma		
B05	F	50.0	Breast	Fibroadenoma		
B06	F	35.0	Breast	Invasive ductal carcinoma	III	T4N0M0
B07	F	40.0	Breast	Invasive ductal carcinoma	II	T2N0M0
B08	F	53.0	Breast	Ductal carcinoma in situ	I	TisN0M0
B09	F	45.0	Breast	Ductal carcinoma in situ	I	TisN0M0
B10	F	56.0	Breast	Invasive ductal carcinoma	II	T2N0M0
B11	F	33.0	Breast	Invasive ductal carcinoma	II	T2N0M0
B12	F	37.0	Breast	Invasive ductal carcinoma	II~III	T3N1M0
B13	F	50.0	Breast	Invasive ductal carcinoma	II	T3N0M0
B14	F	64.0	Breast	Invasive tubular carcinoma	II~III	T2N1M0
B15	F	44.0	Breast	Invasive ductal carcinoma	II	T3N1M0
C01	F	55.0	Breast	Invasive ductal carcinoma	II	T2N1M0
C02	F	47.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
C03	F	50.0	Breast	Invasive ductal carcinoma	II~III	T2N1M0

Pos.	Sex	Age	Anatomic Site	Pathology	Grad	Stage (TNM)
C04	F	51.0	Breast	Invasive ductal carcinoma	II	T4N1M0
C05	F	36.0	Breast	Invasive ductal carcinoma	II~III	T3N1M0
C06	F	66.0	Breast	Invasive ductal carcinoma, tubular	I~II	T2N0M0
C07	F	50.0	Breast	Invasive ductal carcinoma	II	T2N0M0
C08	F	66.0	Breast	Invasive ductal carcinoma	III	T2N1M0
C09	M	61.0	Breast	Ductal carcinoma in situ, papillary	I~II	TisN0M0
C10	F	57.0	Breast	Invasive ductal carcinoma	II	T2N1M0
C11	F	60.0	Breast	Invasive ductal carcinoma	II~III	T3N1M0
C12	F	56.0	Breast	Sarcoma		
C13	F	33.0	Breast	Ductal carcinoma in situ	I	TisN0M0
C14	F	40.0	Breast	Invasive ductal carcinoma	II	T4N1M0
C15	F	34.0	Breast	Ductal carcinoma in situ	I	TisN0M0
D01	F	55.0	Breast	Invasive ductal carcinoma	II	T2N1M0
D02	F	47.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
D03	F	50.0	Breast	Invasive ductal carcinoma	II~III	T2N1M0
D04	F	51.0	Breast	Invasive ductal carcinoma	II	T4N1M0
D05	F	36.0	Breast	Invasive ductal carcinoma	II~III	T3N1M0
D06	F	66.0	Breast	Invasive ductal carcinoma, tubular	I~II	T2N0M0
D07	F	50.0	Breast	Invasive ductal carcinoma	II	T2N0M0
D08	F	66.0	Breast	Invasive ductal carcinoma	III	T2N1M0
D09	M	61.0	Breast	Ductal carcinoma in situ, papillary	I~II	TisN0M0
D10	F	57.0	Breast	Invasive ductal carcinoma	II	T2N1M0
D11	F	60.0	Breast	Invasive ductal carcinoma	II~III	T3N1M0
D12	F	56.0	Breast	Sarcoma		
D13	F	33.0	Breast	Ductal carcinoma in situ	I	TisN0M0
D14	F	40.0	Breast	Invasive ductal carcinoma	II	T4N1M0
D15	F	34.0	Breast	Ductal carcinoma in situ	I	TisN0M0
E01	F	40.0	Breast	Invasive ductal carcinoma	II	T2N0M0
E02	F	50.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
E03	F	44.0	Breast	Invasive ductal carcinoma	I~II	T2N0M0
E04	F	58.0	Breast	Invasive ductal carcinoma	II	T4N1M0
E05	F	37.0	Breast	Invasive ductal carcinoma	II~III	T4N1M0
E06	F	61.0	Breast	Invasive ductal carcinoma	II~III	T4N1M0

Pos.	Sex	Age	Anatomic Site	Pathology	Grade	Stage (TNM)
E07	F	41.0	Breast	Ductal carcinoma in situ	I	TisN0M0
E08	F	68.0	Breast	Invasive ductal carcinoma	II	T2N0M0
E09	F	30.0	Breast	Invasive ductal carcinoma	II~III	T2N1M0
E10	F	45.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
E11	F	48.0	Breast	Invasive ductal carcinoma	III	T2N0M0
E12	F	43.0	Breast	Invasive ductal carcinoma	II	T2N2M0
E13	F	47.0	Breast	Invasive ductal carcinoma	II	T2N0M0
E14	F	68.0	Breast	Invasive papillary carcinoma	I~II	T2N0M0
E15	F	49.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
F01	F	40.0	Breast	Invasive ductal carcinoma	II	T2N0M0
F02	F	50.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
F03	F	44.0	Breast	Invasive ductal carcinoma	I~II	T2N0M0
F04	F	58.0	Breast	Invasive ductal carcinoma	II	T4N1M0
F05	F	37.0	Breast	Invasive ductal carcinoma	II~III	T4N1M0
F06	F	61.0	Breast	Invasive ductal carcinoma	II~III	T4N1M0
F07	F	41.0	Breast	Ductal carcinoma in situ	I	TisN0M0
F08	F	68.0	Breast	Invasive ductal carcinoma	II	T2N0M0
F09	F	30.0	Breast	Invasive ductal carcinoma	II~III	T2N1M0
F10	F	45.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
F11	F	48.0	Breast	Invasive ductal carcinoma	III	T2N0M0
F12	F	43.0	Breast	Invasive ductal carcinoma	II	T2N2M0
F13	F	47.0	Breast	Invasive ductal carcinoma	II	T2N0M0
F14	F	68.0	Breast	Invasive papillary carcinoma	I~II	T2N0M0
F15	F	49.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
G01	F	51.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
G02	F	45.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
G03	F	30.0	Breast	Invasive ductal carcinoma	III	T2N0M0
G04	F	46.0	Breast	Invasive ductal carcinoma	II	T2N0M0
G05	F	60.0	Breast	Invasive ductal carcinoma	II	T2N0M0
G06	F	44.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
G07	F	38.0	Breast	Invasive ductal carcinoma	II~III	T2N2M0
G08	F	43.0	Breast	Invasive ductal carcinoma	I	T2N0M0
G09	F	42.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0

Pos.	Sex	Age	Anatomic Site	Pathology	Grade	Stage (TNM)
G10	F	67.0	Breast	Invasive ductal carcinoma	II	T2N0M0
G11	F	49.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
G12	F	41.0	Breast	Ductal carcinoma in situ	I	TisN0M0
G13	F	41.0	Breast	Mucinous adenocarcinoma		T2N0M0
G14	F	41.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
G15	F	46.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
H01	F	51.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
H02	F	45.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
H03	F	30.0	Breast	Invasive ductal carcinoma	III	T2N0M0
H04	F	46.0	Breast	Invasive ductal carcinoma	II	T2N0M0
H05	F	60.0	Breast	Invasive ductal carcinoma	II	T2N0M0
H06	F	44.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
H07	F	38.0	Breast	Invasive ductal carcinoma	II~III	T2N2M0
H08	F	43.0	Breast	Invasive ductal carcinoma	I	T2N0M0
H09	F	42.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
H10	F	67.0	Breast	Invasive ductal carcinoma	II	T2N0M0
H11	F	49.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
H12	F	41.0	Breast	Ductal carcinoma in situ	I	TisN0M0
H13	F	41.0	Breast	Mucinous adenocarcinoma		T2N0M0
H14	F	41.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
H15	F	46.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
I01	F	68.0	Breast	Invasive ductal carcinoma	II	T3N0M0
I02	F	49.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
I03	F	55.0	Breast	Invasive ductal carcinoma	II	T2N0M0
I04	F	44.0	Breast	Invasive ductal carcinoma	III	T3N1M0
I05	F	60.0	Breast	Invasive ductal carcinoma	II	T2N1M0
I06	F	43.0	Breast	Invasive lobular carcinoma	I~II	T3N1M0
I07	F	44.0	Breast	Invasive ductal carcinoma	II~III	T3N0M0
I08	F	68.0	Breast	Invasive ductal carcinoma	II	T4N0M0
I09	F	41.0	Breast	Invasive ductal carcinoma	II	T3N1M0
I10	F	56.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
I11	F	79.0	Breast	Invasive ductal carcinoma	II	T2N0M0
I12	F	57.0	Breast	Invasive ductal carcinoma	II	T2N0M0

<b>Pos.</b>	<b>Sex</b>	<b>Age</b>	<b>Anatomic Site</b>	<b>Pathology</b>	<b>Grade</b>	<b>Stage (TNM)</b>
I13	F	54.0	Breast	Invasive lobular carcinoma	I	T3N1M0
I14	F	33.0	Breast	Invasive ductal carcinoma	II	T4N2M0
I15	F	42.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
J01	F	68.0	Breast	Invasive ductal carcinoma	II	T3N0M0
J02	F	49.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
J03	F	55.0	Breast	Invasive ductal carcinoma	II	T2N0M0
J04	F	44.0	Breast	Invasive ductal carcinoma	III	T3N1M0
J05	F	60.0	Breast	Invasive ductal carcinoma	II	T2N1M0
J06	F	43.0	Breast	Invasive lobular carcinoma	I~II	T3N1M0
J07	F	44.0	Breast	Invasive ductal carcinoma	II~III	T3N0M0
J08	F	68.0	Breast	Invasive ductal carcinoma	II	T4N0M0
J09	F	41.0	Breast	Invasive ductal carcinoma	II	T3N1M0
J10	F	56.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0
J11	F	79.0	Breast	Invasive ductal carcinoma	II	T2N0M0
J12	F	57.0	Breast	Invasive ductal carcinoma	II	T2N0M0
J13	F	54.0	Breast	Invasive lobular carcinoma	I	T3N1M0
J14	F	33.0	Breast	Invasive ductal carcinoma	II	T4N2M0
J15	F	42.0	Breast	Invasive ductal carcinoma	II~III	T2N0M0