

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

BC01 - Breast Cancer Tissue Microarray

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|---|---|---|---|---|---|---|---|---|---|----|----|----|----|
| A | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| B | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| C | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| D | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| E | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| F | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| G | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| H | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

Cases: 102

Cores: 102

Core Size: 1.5mm

Core Thickness: 4um

Format: 8 x 13

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

● Normal ● Benign ● Malignant ● Orientation core

Description: Breast cancer tissue array, 102 cases of normal benign (5 cases) and cancer (97 cases) tissues, with grading, TNM staging data, and 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 | Pathology | Grade | Stage (TNM) |
|------|-----|------|----------|---|-------|-------------|
| A01 | F | 50.0 | Breast | Normal | | |
| A02 | F | 43.0 | Breast | Fibrocystic changes | | |
| A03 | F | 43.0 | Breast | Fibrocystic changes | | |
| A04 | F | 42.0 | Breast | Fibrocystic changes | | |
| A05 | F | 35.0 | Breast | Fibrocystic changes | | |
| A06 | F | 37.0 | Breast | Ductal carcinoma in situ | | TisN0M0 |
| A07 | F | 40.0 | Breast | Ductal carcinoma in situ | | TisN0M0 |
| A08 | F | 53.0 | Breast | Ductal carcinoma in situ | I | TisN0M0 |
| A09 | F | 45.0 | Breast | Ductal carcinoma in situ | I | TisN0M0 |
| A10 | F | 52.0 | Breast | Ductal carcinoma in situ | I | TisN0M0 |
| A11 | F | 60.0 | Breast | Ductal carcinoma in situ | I | TisN0M0 |
| A12 | F | 47.0 | Breast | Invasive ductal carcinoma | II | T3N1M0 |
| A13 | F | 58.0 | Breast | Mucinous adenocarcinoma | | T3N1M0 |
| B01 | F | 33.0 | Breast | Ductal carcinoma in situ | I | TisN0M0 |
| B02 | F | 45.0 | Breast | Invasive ductal carcinoma | II | T3N1M0 |
| B03 | F | 50.0 | Breast | Invasive lobular carcinoma | I~II | T4N1M0 |
| B04 | F | 46.0 | Breast | Invasive lobular carcinoma | I | T3N1M0 |
| B05 | F | 64.0 | Breast | Invasive ductal carcinoma | I | T2N0M0 |
| B06 | F | 37.0 | Breast | Invasive ductal carcinoma | I | T3N1M0 |
| B07 | F | 40.0 | Breast | Invasive lobular carcinoma | I | T2N1M0 |
| B08 | F | 47.0 | Breast | Invasive ductal carcinoma | I~II | T3N1M0 |
| B09 | F | 66.0 | Breast | Invasive ductal carcinoma, tubular type | I~II | T2N0M0 |
| B10 | F | 41.0 | Breast | Invasive ductal carcinoma | I~II | T2N0M0 |
| B11 | F | 40.0 | Breast | Invasive ductal carcinoma | I | T2N0M0 |
| B12 | F | 43.0 | Breast | Invasive lobular carcinoma | I | T4N1M0 |
| B13 | F | 30.0 | Breast | Invasive ductal carcinoma, tubular type | I~II | T3N0M0 |
| C01 | F | 36.0 | Breast | Invasive lobular carcinoma | I~II | T2N2M0 |
| C02 | F | 44.0 | Breast | Invasive ductal carcinoma | I~II | T2N0M0 |
| C03 | F | 33.0 | Breast | Invasive lobular carcinoma | I | T4N0M0 |
| C04 | F | 43.0 | Breast | Invasive ductal carcinoma | I | T2N0M0 |
| C05 | F | 43.0 | Breast | Invasive lobular carcinoma | I~II | T3N1M0 |
| C06 | F | 52.0 | Breast | Invasive ductal carcinoma | II | T2N0M0 |
| C07 | F | 55.0 | Breast | Invasive ductal carcinoma | II | T3N0M0 |

| Pos. | Sex | Age | Anatomic | Pathology | Grade | Stage (TNM) |
|------|-----|------|----------|----------------------------|--------|-------------|
| C08 | F | 30.0 | Breast | Invasive ductal carcinoma | II | T2N0M0 |
| C09 | F | 50.0 | Breast | Invasive ductal carcinoma | II | T3N1M0 |
| C10 | F | 43.0 | Breast | Invasive ductal carcinoma | II | T3N1M0 |
| C11 | F | 66.0 | Breast | Invasive ductal carcinoma | II | T3N1M0 |
| C12 | F | 40.0 | Breast | Invasive ductal carcinoma | II | T3N0M0 |
| C13 | F | 55.0 | Breast | Invasive ductal carcinoma | II | T2N1M0 |
| D01 | F | 40.0 | Breast | Invasive ductal carcinoma | II | T2N0M0 |
| D02 | F | 49.0 | Breast | Invasive ductal carcinoma | II | T3N1M0 |
| D03 | F | 56.0 | Breast | Invasive ductal carcinoma | II | T2N0M0 |
| D04 | F | 33.0 | Breast | Invasive ductal carcinoma | II | T2N0M0 |
| D05 | F | 50.0 | Breast | Invasive ductal carcinoma | II | T3N0M0 |
| D06 | F | 44.0 | Breast | Invasive ductal carcinoma | II | T3N1M0 |
| D07 | F | 55.0 | Breast | Invasive ductal carcinoma | II | T2N1M0 |
| D08 | F | 51.0 | Breast | Invasive ductal carcinoma | II | T4N1M0 |
| D09 | F | 36.0 | Breast | Invasive ductal carcinoma | II~III | T3N1M0 |
| D10 | F | 43.0 | Breast | Invasive ductal carcinoma | II | T4N1M0 |
| D11 | F | 50.0 | Breast | Invasive ductal carcinoma | II | T2N0M0 |
| D12 | F | 57.0 | Breast | Invasive ductal carcinoma | II | T2N1M0 |
| D13 | F | 46.0 | Breast | Invasive ductal carcinoma | II | T2N0M0 |
| E01 | F | 49.0 | Breast | Invasive ductal carcinoma | II | T2N0M0 |
| E02 | F | 55.0 | Breast | Invasive ductal carcinoma | II | T3N1M0 |
| E03 | F | 72.0 | Breast | Invasive ductal carcinoma | II | T2N0M0 |
| E04 | F | 18.0 | Breast | Invasive ductal carcinoma | II~III | T2N1M0 |
| E05 | F | 53.0 | Breast | Invasive lobular carcinoma | I | T2N0M0 |
| E06 | F | 46.0 | Breast | Invasive ductal carcinoma | II | T3N1M0 |
| E07 | F | 32.0 | Breast | Invasive ductal carcinoma | II | T3N1M0 |
| E08 | F | 60.0 | Breast | Invasive ductal carcinoma | II | T2N1M0 |
| E09 | F | 35.0 | Breast | Invasive ductal carcinoma | II | T2N0M0 |
| E10 | F | 37.0 | Breast | Invasive ductal carcinoma | II | T3N0M0 |
| E11 | F | 30.0 | Breast | Invasive ductal carcinoma | II | T2N1M0 |
| E12 | F | 59.0 | Breast | Invasive ductal carcinoma | II | T2N0M0 |
| E13 | F | 34.0 | Breast | Invasive ductal carcinoma | II | T2N1M0 |
| F01 | F | 50.0 | Breast | Invasive ductal carcinoma | II | T2N1M0 |

| Pos. | Sex | Age | Anatomic | Pathology | Grade | Stage (TNM) |
|------|-----|------|----------|----------------------------|--------|-------------|
| F02 | F | 42.0 | Breast | Invasive ductal carcinoma | II | T4N1M0 |
| F03 | F | 58.0 | Breast | Invasive ductal carcinoma | II | T3N0M0 |
| F04 | F | 53.0 | Breast | Invasive ductal carcinoma | II | T2N0M0 |
| F05 | F | 58.0 | Breast | Invasive ductal carcinoma | II | T2N1M0 |
| F06 | F | 37.0 | Breast | Invasive ductal carcinoma | II~III | T4N1M0 |
| F07 | F | 47.0 | Breast | Invasive ductal carcinoma | II | T2N0M0 |
| F08 | F | 42.0 | Breast | Invasive ductal carcinoma | II | T3N0M0 |
| F09 | F | 36.0 | Breast | Invasive ductal carcinoma | II | T4N0M0 |
| F10 | F | 67.0 | Breast | Invasive ductal carcinoma | II | T2N0M0 |
| F11 | F | 68.0 | Breast | Invasive ductal carcinoma | II | T3N0M0 |
| F12 | F | 37.0 | Breast | Invasive ductal carcinoma | II | T2N0M0 |
| F13 | F | 42.0 | Breast | Invasive ductal carcinoma | II | T2N1M0 |
| G01 | F | 41.0 | Breast | Invasive ductal carcinoma | II | T3N1M0 |
| G02 | F | 57.0 | Breast | Invasive ductal carcinoma | II | T2N0M0 |
| G03 | F | 33.0 | Breast | Invasive ductal carcinoma | II | T4N2M0 |
| G04 | F | 47.0 | Breast | Invasive ductal carcinoma | II | T2N0M0 |
| G05 | F | 40.0 | Breast | Invasive ductal carcinoma | II~III | T3N1M0 |
| G06 | F | 61.0 | Breast | Invasive ductal carcinoma | II~III | T4N1M0 |
| G07 | F | 44.0 | Breast | Invasive ductal carcinoma | II~III | T3N0M0 |
| G08 | F | 54.0 | Breast | Invasive ductal carcinoma | II~III | T3N3M0 |
| G09 | F | 49.0 | Breast | Invasive ductal carcinoma | III | T2N0M0 |
| G10 | F | 34.0 | Breast | Invasive ductal carcinoma | III | T3N1M0 |
| G11 | F | 58.0 | Breast | Invasive ductal carcinoma | III | T2N1M0 |
| G12 | F | 35.0 | Breast | Invasive ductal carcinoma | III | T4N0M0 |
| H01 | F | 78.0 | Breast | Invasive ductal carcinoma | II~III | T4N0M0 |
| H02 | F | 46.0 | Breast | Invasive ductal carcinoma | II~III | T2N0M0 |
| H03 | F | 31.0 | Breast | Invasive ductal carcinoma | II~III | T4N1M0 |
| H04 | F | 75.0 | Breast | Invasive ductal carcinoma | III | T3N0M0 |
| H05 | F | 43.0 | Breast | Invasive ductal carcinoma | III | T3N0M0 |
| H06 | F | 50.0 | Breast | Invasive ductal carcinoma | III | T2N1M0 |
| H07 | F | 60.0 | Breast | Invasive ductal carcinoma | III | T4N0M0 |
| H08 | F | 30.0 | Breast | Invasive ductal carcinoma | III | T2N0M0 |
| H09 | F | 55.0 | Breast | Invasive lobular carcinoma | III | T3N1M0 |

| Pos. | Sex | Age | Anatomic | Pathology | Grade | Stage (TNM) |
|-------------|------------|------------|-----------------|----------------------------|--------------|--------------------|
| H10 | F | 68.0 | Breast | Invasive ductal carcinoma | III | T3N1M0 |
| H11 | F | 44.0 | Breast | Invasive ductal carcinoma | III | T3N1M0 |
| H12 | F | 54.0 | Breast | Invasive lobular carcinoma | I | T3N1M0 |