BioChain®

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Data Sheet

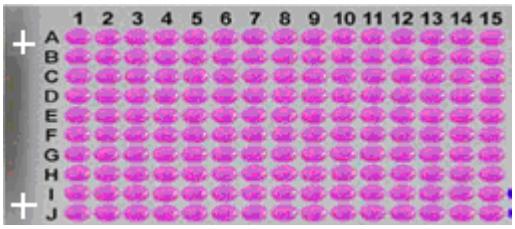
Product Name: Breast Tumor Tissue Array- duplicated 70 case covering all the common types of breast cancer and 5 cases of normal and other non-malignant breast tissue I

Catalog No.: Z7020004 **Lot No.: C401168**

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

Tissue Type: □ **Normal** □**Adult** □ **Fetal** ■ **Tumor** □ **Disease** □ **Cell line**

Tissue Array Diagram:

Cores	Size	Cut	Format	QA/QC	
150	1.5 mm	6 μm	10X15	H&E, IHC	

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, 150 cores including 75 cases of normal, reactive, premalignant and malignant (various grades and stages) tissues of the breast in duplicates. All the tissues were from surgical resection. Thyey 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. Each slide has >95% tissue core retention.

Components:

1. 5 Tissue Array Slides per package
2. Certificate of Analysis

Position	Age	Sex	Pathological Diagnosis	TNM	Stage	ER	PR	HER2
A1,B1	27	F	Normal/hyperplasia	N/A	N/A	-	+--++	-
A2,B2	41	F	Normal/hyperplasia	N/A	N/A	-	-	-
A3,B3	60	F	Normal/hyperplasia	N/A	N/A	-	-	-
A4,B4	32	F	Fibroadenoma	N/A	N/A	+	+	-
A5,B5	20	F	Fibroadenoma	N/A	N/A	+	+	-
A6,B6	37	F	Invasive Ductal Carcinoma	T2N0M0	IIA	+--++	++	-
A7,B7	38	F	Invasive Ductal Carcinoma	T2N0M0	IIA	++	++	-
A8,B8	43	F	Invasive Ductal Carcinoma	T3N1M0	IIIA	++---+++	++---+++	-
A9,B9	35	F	Invasive Ductal Carcinoma	N/A	N/A	-	-	-
A10,B10	60	F	Invasive Ductal Carcinoma	T2N0M0	IIA	+--++	+	-
A11,B11	40	F	Invasive Ductal Carcinoma	T2N1M0	IIB	+++	++---+++	-
A12,B12	46	F	Invasive Ductal Carcinoma	N/A	N/A	++	++---+++	-
A13,B13	66	F	Invasive Ductal Carcinoma	T2N0M0	IIA	+	-	-
A14,B14	41	F	Invasive Ductal Carcinoma	T2N1M0	IIB	-	++	-
A15,B15	46	F	Invasive Ductal Carcinoma	T2N0M0	IIA	++	++---+++	-
C1,D1	47	F	Invasive Ductal Carcinoma	T2N1M0	IIB	++	+	-
C2,D2	63	F	Invasive Ductal Carcinoma	T3N1M0	IIIA	-	-	++
C3,D3	46	F	Invasive Ductal Carcinoma	T2N1M0	IIB	-	++---+++	-
C4,D4	35	F	Invasive Ductal Carcinoma	T2N1M0	IIB	-	-	++---+++
C5,D5	50	F	Invasive Ductal Carcinoma	T2N0M0	IIA	+	+	-
C6,D6	31	F	Invasive Ductal Carcinoma	T2N1M0	IIB	++	+	-
C7,D7	46	F	Invasive Ductal Carcinoma	T3N0M0	IIB	-	-	-
C8,D8	60	F	Invasive Ductal Carcinoma	T2N1M0	IIB	-	-	++
C9,D9	53	F	Invasive Ductal Carcinoma	T2N1M0	IIB	+	+--++	-
C10,D10	53	F	Invasive Ductal Carcinoma	T2N1M0	IIB	-	-	+
C11,D11	65	F	Invasive Ductal Carcinoma	T1N0M0	I	+---++	+	-
C12,D12	41	F	Invasive Ductal Carcinoma	T2N1M0	IIB	++	-	-
C13,D13	80	F	Invasive Ductal Carcinoma	T3N0M0	IIB	++---+++	++---+++	-
C14,D14	81	F	Invasive Ductal Carcinoma	T3N1M0	IIIA	-	+	-
C15,D15	46	F	Invasive Ductal Carcinoma	T2N1M0	IIB	-	++	-
E1,F1	58	F	Invasive Ductal Carcinoma	T1N1M0	IIA	-	-	-
E2,F2	54	F	Invasive Ductal Carcinoma	T3N1M0	IIIA	+++	+++	-
E3,F3	46	F	Invasive Ductal Carcinoma	T1N0M0	I	-	+---++	-
E4,F4	65	F	Invasive Ductal Carcinoma	T1N0M0	I	-	-	+++
E5,F5	41	F	Invasive Lobular Carcinoma	T3N1M0	IIIA	-	-	+++
E6,F6	55	F	Invasive Ductal Carcinoma	T1N1M0	IIA	++	++---+++	-
E7,F7	48	F	Invasive Ductal Carcinoma	T3N0M0	IIB	-	-	-
E8,F8	73	F	Squamous Cell Carcinoma	T1N0M0	I	-	-	-
E9,F9	72	F	Invasive Ductal Carcinoma	T1N1M0	IIA	++---+++	++	-
E10,F10	61	F	Invasive Ductal Carcinoma	T2N1M0	IIB	-	-	-
E11,F11	44	F	Invasive Ductal Carcinoma	N/A	N/A	-	++	++

Position	Age	Sex	Pathological Diagnosis	TNM	Stage	ER	PR	HER2
E12,F12	55	F	Invasive Ductal Carcinoma	N/A	N/A	++	-	-
E13,F13	46	F	Invasive Ductal Carcinoma	N/A	N/A	-	-	-
E14,F14	49	F	Invasive Ductal Carcinoma	T2N0M0	IIA	-	-	+++
E15,F15	35	F	Invasive Ductal Carcinoma	T3N0M0	IIB	-	+	-
G1,H1	42	F	Invasive Ductal Carcinoma	T2N0M0	IIA	-	-	-
G2,H2	49	F	Invasive Ductal Carcinoma	T1N0M0	I	+++	-	-
G3,H3	32	F	Invasive Ductal Carcinoma	T2N0M0	IIA	++	++---+++	-
G4,H4	74	F	Invasive Ductal Carcinoma	T1N0M0	I	+---++	+---++	+---++
G5,H5	42	F	Invasive Ductal Carcinoma	T2N0M0	IIA	++---+++	++	-
G6,H6	49	F	Invasive Ductal Carcinoma	T2N1M0	IIB	++	-	-
G7,H7	69	F	Invasive Lobular Carcinoma	T3N1M0	IIIA	-	-	+---++
G8,H8	42	F	Invasive Ductal Carcinoma	T2N0M0	IIA	++	+++	+
G9,H9	50	F	Invasive Ductal Carcinoma	T3N1M0	IIIA	-	-	-
G10,H10	77	F	Invasive Ductal Carcinoma	T2N0M0	IIA	+++	+++	-
G11,H11	41	F	Invasive Ductal Carcinoma	T3N0M0	IIB	-	-	-
G12,H12	36	F	Invasive Lobular Carcinoma	T1N1M0	IIA	-	+	-
G13,H13	77	F	Invasive Ductal Carcinoma	T2N1M0	IIB	-	-	-
G14,H14	60	F	Medullary Carcinoma	T4N1M0	IIIB	-	-	-
G15,H15	61	F	Invasive Lobular Carcinoma	T4N1M0	IIIB	++---+++	++---+++	-
I1,J1	61	F	Invasive Carcinoma	T3N0M0	IIB	++	-	-
I2,J2	30	F	Invasive Carcinoma	T2N3M0	IIIC	-	-	+++
I3,J3	56	F	Invasive Carcinoma	T2N0M0	IIA	-	-	-
I4,J4	36	F	Infiltrative Ductal Carcinoma	T3N3M0	IIIC	-	-	-
I5,J5	74	F	Infiltrative Ductal Carcinoma	T3N0M0	IIB	-	-	+---++
I6,J6	55	F	Infiltrative Ductal Carcinoma	T2N0M0	IIA	++	++	-
I7,J7	55	F	Acinic Cell Carcinoma	T2N0M0	IIA	-	-	-
I8,J8	45	F	Infiltrative Ductal Carcinoma	T2N1M0	IIB	-	-	-
I9,J9	52	F	Infiltrative Ductal Carcinoma	T3N0M0	IIB	-	-	-
I10,J10	55	F	Infiltrative Ductal Carcinoma	T3N1M0	IIIA	-	-	-
I11,J11	69	F	Infiltrative Ductal Carcinoma	T3N0M0	IIB	+---++	+	-
I12,J12	84	F	Infiltrative Ductal Carcinoma	T1N0M0	I	+++	-	-
I13,J13	40	F	Infiltrative Ductal Carcinoma	T1N0M0	I	++	++	-
I14,J14	41	F	Invasive Carcinoma	T2N2M0	IIIA	+---++	++	-
I15,J15	64	F	Invasive Carcinoma	T2N1M0	IIB	+---++	+	-

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.

TNM Classification: Breast carcinoma

T- Primary tumor

TX - Primary tumor cannot be assessed

T0 - 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

N0 - 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

M0 - No distant metastasis

M1 - Distant metastasis

TNM classification of malignant tumours, Fifth Edition (1997)

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