

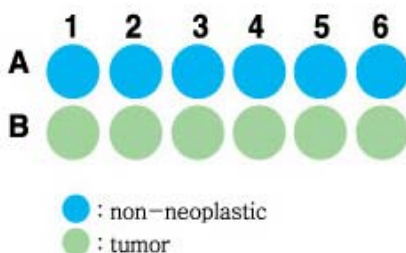
Specifications:

- No. of cases: 6
- Tissue type: Test slide, breast cancer tissues with corresponding normal tissues
- No. of spots: 1 spot from each cancer case (6 spots)
6 non-neoplastic spots (6 spots)
- Total spots: 12
- Corresponding normal tissues with cancers: Yes
- Diameter: 1.0 mm

Documents:

- Product specification: layout, summary of tissue spots
- H&E stained images
- Detailed pathological information

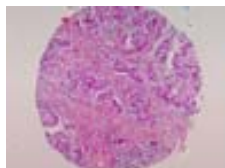
Layout:



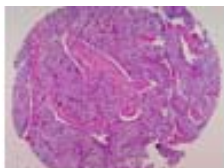
Summary of tissue spots

No.	Coordinate	Sex	Age	Organ	Key Word
1	A1	F	45	breast	Infiltrating ductal carcinoma
2	B1	F	45	breast	Non-neoplastic region from A1
3	A2	F	68	breast	Infiltrating ductal carcinoma
4	B2	F	68	breast	Non-neoplastic region from A2
5	A3	F	55	breast	Infiltrating ductal carcinoma
6	B3	F	55	breast	Non-neoplastic region from A3
7	A4	F	39	breast	Invasive ductal carcinoma
8	B4	F	39	breast	Non-neoplastic region from A4
9	A5	F	59	breast	Invasive ductal carcinoma
10	B5	F	59	breast	Non-neoplastic region from A5
11	A6	F	49	breast	Invasive ductal carcinoma
12	B6	F	49	breast	Non-neoplastic region from A6

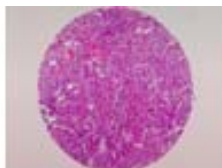
QC sheet_LOT#122120402251
Hematoxylin and Eosin staining



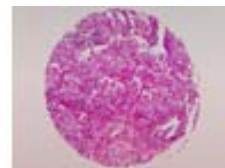
A1



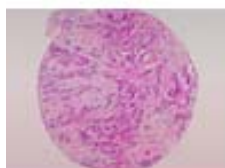
A2



A3



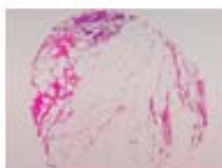
A4



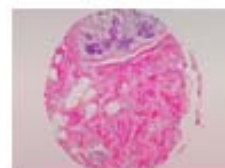
A5



A6



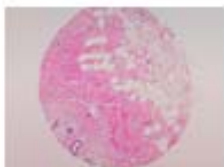
B1



B2



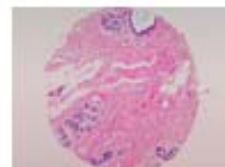
B3



B4



B5



B6

A712: Test slide - Breast cancer tissues with corresponding normal tissues

No	Coordinate	Sex	Age	Key Word	Histological Diagnosis	
1	A	1	F	62	breast	1.Breast: Frozen diagnosis, ductal carcinoma 1) final diagnosis, 2) infiltrating ductal cell carcinoma, 3) histologic grade iii with intraductal component, less than 10% 4) resection margin, superior, inferior, right and left lateral, free of tumor
2	B	1	F	62	breast	Non-neoplastic region from, A1
3	A	2	F	45	breast	1.Breast: Frozen diagnosis, infiltrating ductal carcinoma. 1) final diagnosis, infiltrating ductal carcinoma. 2) histologic grade iii, poorly differentiated. 3) minimal intraductal component, less than 10% 4) resection margin, free of tumor
4	B	2	F	45	breast	Non-neoplastic region from, A2
5	A	3	F	55	breast	1.Breast, frozen biopsy: Infiltrating ductal carcinoma. 1) marked lymphoplasma cytic infiltration (nuclear grade I, histologic grade III).
6	B	3	F	55	breast	Non-neoplastic region from, A3
7	A	4	F	39	breast	1.Breast, frozen biopsy: Infiltrating ductal carcinoma 1) marked lymphoplasma cytic infiltration (nuclear grade I, histologic grade III). *Note: The left breast tumor is a well-circumscribed, poorly differentiated, invasive ductal carcinoma, with negligible intraductal component. Lymphoplasmacytic host cell reaction is moderate. Adjacent to the carcinoma is a small fibroadenoma. The surgical resection margin is free of neoplastic chagne.
8	B	4	F	39	breast	Non-neoplastic region from, A4

A712: Test slide - Breast cancer tissues with corresponding normal tissues

No	Coordinate	Sex	Age	Key Word	Histological Diagnosis	
9	A	5	F	59	breast	<p>1. Breast, left, modified radical mastectomy: Invasive ductal carcinoma, grade II (2x2x1.5cm) 1) metastatic carcinoma in 7 of 13 level I lymph nodes. 2) level II lymph node, biopsy: free of tumor. 3) level III lymph node, biopsy: free of tumor.</p> <p>*Note: The breast tissue adjacent to the 2cm breast carcinoma shows lymphatic vessel invasion. the nipple, areola, overlying skin and underlying fascia are free of neoplastic involvement. among the 7 positive level 1 nodes, one shows macrometastasis (3x2x1cm) while the rest are micrometastases. Intraductal carcinoma of comedo type is also seen in the tumor mass.</p>
10	B	5	F	59	breast	Non-neoplastic region from, A5
11	A	6	F	49	breast	<p>1. Breast, left, mastectomy: Invasive ductal carcinoma. 1) cancerization of the lobules, 2) bloom and Richardson's histologic grade III, see note. 3) resection margin, superior, inferior, medial and lateral: Free of tumor.</p> <p>2. Overlying skin: free of tumor.</p> <p>3. Specimen labelled as "right upper": fibrocystic change.</p> <p>*Note: The estimated dimension of neoplasm is at least 2.5cm. the tumor has extensive intraductal carcinoma component. lymphocytic host cell reaction is moderate. Skin involvement is absent. old fat necrosis, fibrosis and suture granuloma associated with previous biopsy are also seen. the deep fascia underlying the carcinoma is free of neoplastic involvement. surgical margins are free of neoplasm.</p> <p><The results of immunohistochemical stains> Estrogen receptor (-), Progesteron receptor (-).</p>
12	B	6	F	49	breast	Non-neoplastic region from, A6