

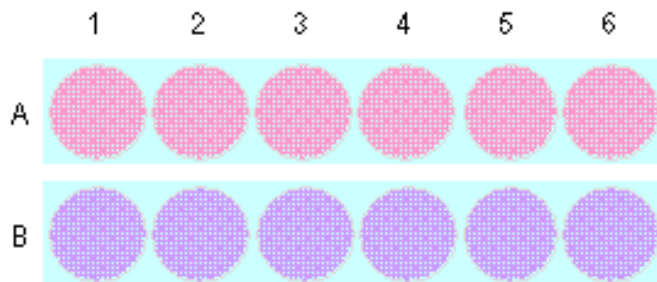
Specifications:

- No. of cases: 6
- Tissue type: Breast cancer tissues
with corresponding normal tissues
- No. of spots: 1 spots 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:



● : breast , tumor

● : breast , non neoplastic

(formalin fixed)

For research use only

Summary of tissue spots

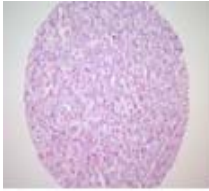
No	Coordinate		Sex	Age	Key word
1	A	1	f	39	Infiltrating ductal carcinoma
2	B	1	f	39	Non-neoplastic from A1
3	A	2	f	57	Infiltrating ductal carcinoma
4	B	2	f	57	Non-neoplastic from A2
5	A	3	f	58	Infiltrating ductal carcinoma
6	B	3	f	58	Non-neoplastic from A3
7	A	4	f	44	Infiltrating ductal carcinoma
8	B	4	f	44	Non-neoplastic from A4
9	A	5	f	46	Infiltrating ductal carcinoma
10	B	5	f	46	Non-neoplastic from A5
11	A	6	f	37	Infiltrating ductal carcinoma
12	B	6	f	37	Non-neoplastic from A6

**A712(II): Test slide-Breast cancer tissues
with corresponding normal tissues**

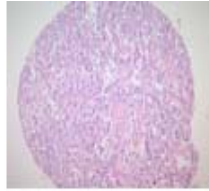
(formalin fixed)

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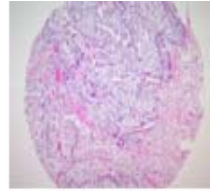
**QC sheet_LOT#132120502191
Hematoxylin and Eosin staining**



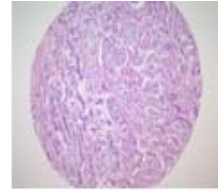
A1



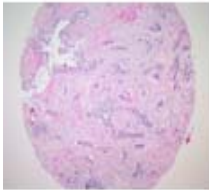
A2



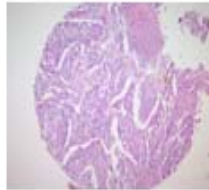
A3



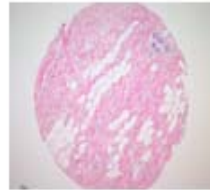
A4



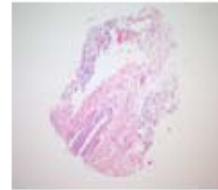
A5



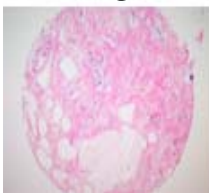
A6



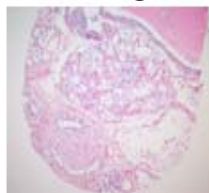
B1



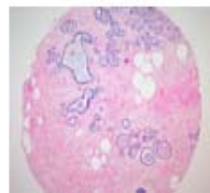
B2



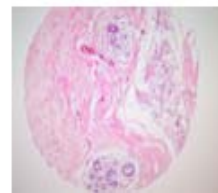
B3



B4



B5



B6

A712(II): Test slide - Breast cancer tissues with corresponding normal

No	Coordinate		Sex	Age	Key word	Histological Diagnosis
1	A	1	f	39	infiltrating ductal carcinoma	<p>Breast, left, modified radical mastectomy: infiltrating ductal carcinoma, nuclear grade 1 (poorly differentiated), Histologic grade II with extensive intraductal component (about 50%) and focal lymphovascular permeation</p> <ol style="list-style-type: none"> 1) nipple and areola: Pagetoid extension in large duct 2) overlying skin: free of tumor 3) underlying fascia: free of tumor 4) lymph nodes, axillary(1/9): metastatic carcinoma in 1 out of 9 lymph nodes with perinodal soft tissue extension(size of tumor: 1.8x1.5cm) 5) lymph nodes, separately submitted as left axillary(0/7): free of tumor 6) immunohistochemical staining results : <ul style="list-style-type: none"> - ER, PR: positive - C erb B2: negative.
2	B	1	f	39	non-neoplastic	non-neoplastic from A1
3	A	2	f	57	infiltrating ductal carcinoma	<p>Breast, right, modified radical mastectomy: infiltrating ductal carcinoma, nuclear grade 1 (poorly differentiated), Histologic grade III without intraductal component</p> <ol style="list-style-type: none"> 1) nipple and areola: free of tumor 2) overlying skin: extension of carcinoma into the resection margin 3) underlying fascia: - extension of carcinoma. - basal resection margin: free of tumor 4) lymph nodes, axillary(6/15) and unlabelled(7/15):(13/30): metastatic carcinoma in 13 out of 30 lymph nodes with perinodal soft tissue extension and fixed to each other(pN2) 5) immunohistochemical staining results: <ul style="list-style-type: none"> - ER,PR: negative - C erb B2, E-cadherin: positive.
4	B	2	f	57	non-neoplastic	non-neoplastic from A2

A712(II): Test slide - Breast cancer tissues with corresponding normal

No	Coordinate		Sex	Age	Key word	Histological Diagnosis
5	A	3	f	58	infiltrating ductal carcinoma	Breast, right, modified radical mastectomy: infiltrating ductal carcinoma, nuclear grade 2, Histologic grade II with extensive intraductal component (about 50%) 1) nipple and areola: free of tumor 2) overlying skin: free of tumor 3) underlying fascia: free of tumor 4) regional lymph node, axillary(0/1): free of tumor 5) immunohistochemical staining results: - ER: diffuse positive - PR: negative - C-erb B2: focal positive.
6	B	3	f	58	non-neoplastic	non-neoplastic from A3
7	A	4	f	44	infiltrating ductal carcinoma	Breast, right, modified radical mastectomy: 1) infiltrating ductal carcinoma - size: 8x7x7cm - Black's nuclear grade: 2(moderately differentiated) - modified Bloom-Richardson's histological grade: III (tubule formation: 3, nuclear pleomorphism: 2, mitosis: 2) - intraductal component: < 5% - extensive lymphovascular permeation - involving lower dermis of the skin - immunohistochemical staining results: ER(+), PR(+), C erb B2(-: 0/3+) 2) fibrocystic change with atypical lobular hyperplasia - nipple and areola: free of tumor - underlying fascia: presence of tumor within 1.5mm from the fascial margin 3) regional lymph node, axillary(3/18), separately sent axillary(0/2): (3/20): Tumor metastasis in 3 out of 20 nodes with perinodal tumor spread(size of the largest metastatic tumor:14x11mm).
8	B	4	f	44	non-neoplastic	non-neoplastic from A4

A712(II): Test slide - Breast cancer tissues with corresponding normal

No	Coordinate		Sex	Age	Key word	Histological Diagnosis
9	A	5	f	46	infiltrating ductal carcinoma	Breast, right, radical mastectomy: 1) infiltrating ductal carcinoma - size: 1.5x1cm - intraductal component: about 10% - modified Bloom and Richardson classification II (tubule formation: 3, pleomorphism: 2, mitosis: 1) 2) nipple and areola: free of tumor 3) overlying skin and underlying fascia: free of tumor 4) regional lymph nodes: tumor metastasis to 3 out of 22(3/22), in detail, axillary level I(0/0), axillary level II(0/1), regional(3/21: All of them show extracapsular extension).
10	B	5	f	46	non-neoplastic	non-neoplastic from A5
11	A	6	f	37	infiltrating ductal carcinoma	Breast with attached fibroadipose tissue, total mastectomy: infiltrating ductal carcinoma with 1) size: 5x4x3cm 2) Bloom-Richardson grade II and Black nuclear grade I 3) diffuse involvement of ductal carcinoma in situ in the surrounding tissue of main mass 4) intact nipple and areola, overlying skin, and underlying fascia from tumor 5) no metastasis to axilla fat, clinically labelled as level I lymph node, separately submitted 6) immunohistochemical staining results: - ER, PR: negative - C erb B2: positive.
12	B	6	f	37	non-neoplastic	non-neoplastic from A6