

**A713VII- Test slide, Colon cancer tissues with
corresponding normal tissues**

(formalin fixed)

For research use only

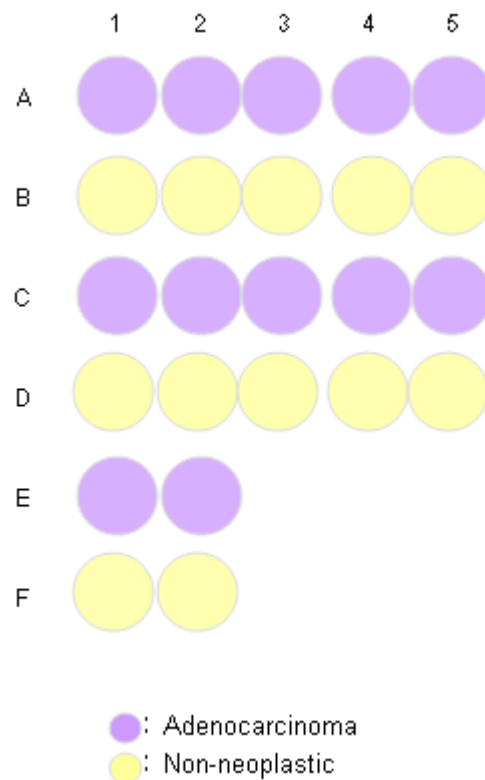
Specifications:

- No. of cases: 12
- Tissue type: Colon cancer tissues with
corresponding normal tissues
- No. of spots: 1 spots from each cancer case (12 spots)
12 non-neoplastic spots (12 spots)
- Total spots: 24
- 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

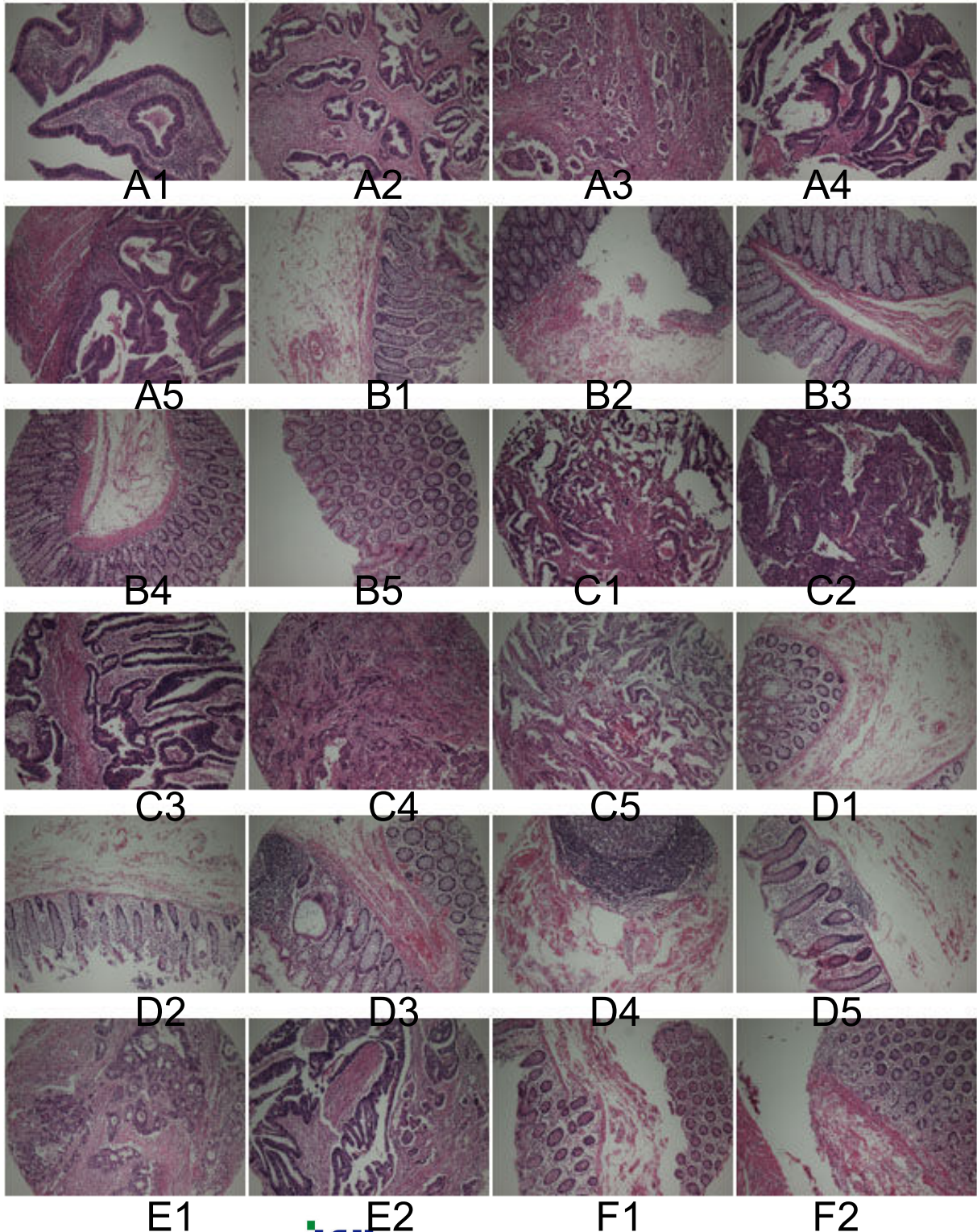
No	Coordinate		Sex	Age	Key Word
1	A	1	M	65	Adenocarcinoma
2	B	1	M	65	Non-neoplastic from A1
3	A	2	M	44	Adenocarcinoma
4	B	2	M	44	Non-neoplastic from A2
5	A	3	M	71	Adenocarcinoma
6	B	3	M	71	Non-neoplastic from A3
7	A	4	F	76	Adenocarcinoma
8	B	4	F	76	Non-neoplastic from A4
9	A	5	F	68	Adenocarcinoma
10	B	5	F	68	Non-neoplastic from A5
11	C	1	F	68	Adenocarcinoma
12	D	1	F	68	Non-neoplastic from C1
13	C	2	M	52	Adenocarcinoma
14	D	2	M	52	Non-neoplastic from C2
15	C	3	M	70	Adenocarcinoma
16	D	3	M	70	Non-neoplastic from C3
17	C	4	M	66	Adenocarcinoma
18	D	4	M	66	Non-neoplastic from C4
19	C	5	M	65	Adenocarcinoma
20	D	5	M	65	Non-neoplastic from C5
21	E	1	M	74	Adenocarcinoma
22	F	1	M	74	Non-neoplastic from E1
23	E	2	F	74	Adenocarcinoma
24	F	2	F	74	Non-neoplastic from E2

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**QC sheet_LOT#132121003021
Hematoxylin and Eosin staining**



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No	Coordinate		Sex	Age	Key Word	Histological Diagnosis
1	A	1	M	65	adenocarcinoma	Colon, rectum, lower anterior resection: adenocarcinoma, well differentiated, polypoid 1) size: 4.2x2.5cm 2) confined to the mucosa 3) associated low and high grade tubulo-villous adenoma 4) resection margins, proximal and distal: free of tumor 5) regional lymph nodes: free of tumor in all nodes(0/21), regional(0/21), principal(0/0).
2	B	1	M	65	non-neoplastic	non-neoplastic from A1
3	A	2	M	44	adenocarcinoma	Colon, rectum, lower anterior resection: colon: ulcerofungating adenocarcinoma, moderately differentiated, 1) size: 5.5x4.5cm 2) extension to the pericolic fat tissue(pT3c) 3) lateral margin: free of tumor 4) lymphovascular permeation(+) urinary bladder: free of tumor resection margins, proximal and distal: free of tumor regional lymph nodes: tumor metastasis to 4 out of 11(4/11), in detail, regional(4/8), principal(0/3).
4	B	2	M	44	non-neoplastic	non-neoplastic from A2

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No	Coordinate		Sex	Age	Key Word	Histological Diagnosis
5	A	3	M	71	adenocarcinoma	<p>Colon, sigmoid, radical sigmoid colectomy: ulcero-fungating adenocarcinoma, poorly differentiated 1) size: 4.2cm in length 2) extension to the pericolic fat tissue (pT3c) 3) lateral margin: free of tumor 4) lymphovascular permeation: present resection margins, proximal and distal: free of tumor regional lymph nodes: tumor metastasis to 2 out of 17(2/17), in detail, principal(0/8), regional(2/9) microsatellite instability test marker name bat26 D5S346 bat25 D17S250 D2S123 microsatellite No No No No No MSS instability allelic uninformative uninformative No(1.15) uninformative imbalance.</p>
6	B	3	M	71	non-neoplastic	non-neoplastic from A3

A713 VII:Test slide, Colon cancer tissues with corresponding normal tissues

No	Coordinate		Sex	Age	Key Word	Histological Diagnosis
7	A	4	F	76	adenocarcinoma	<p>Colon, left, lower anterior resection:</p> <p>1.ulcerofungating adenocarcinoma, moderately differentiated</p> <p>1) size: 4.5x4.7cm</p> <p>2) extension to the pericolic fat tissue(pT3b)</p> <p>3) lymphovascular permeation(+)</p> <p>4) lateral margin: free of tumor</p> <p>5) associated obstructive colitis</p> <p>resection margins, proximal and distal: free of tumor</p> <p>regional lymph nodes: free of tumor in all nodules(0/37), principal(0/4), regional(0/33)</p> <p>microsatellite instability test</p> <p>marker name bat26 D5S346 bat25 D17S250 D2S123</p> <p>microsatellite No No No No No MSS</p> <p>instability allelic uninformative yes(0.58) uninformative yes(0.14) uninforma-imbalance</p> <p>2. Uterus fundus, seeding nodule: myometrium with foreign body reaction</p> <p>3. Small intestine, ileum: subserosal fibrosis with chronic nonspecific inflammation and foreign body reaction.</p>
8	B	4	F	76	non-neoplastic	non-neoplastic from A4

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No	Coordinate		Sex	Age	Key Word	Histological Diagnosis
9	A	5	F	68	adenocarcinoma	<p>Colon, sigmoid, radical sigmoid colectomy:</p> <ol style="list-style-type: none"> 1. Fungating adenocarcinoma, moderately differentiated, <ol style="list-style-type: none"> 1) size: 5.5x4.5cm 2) extension into the inner muscle layer(pT2) 3) lymphovascular permeation: Positive 4) associated with villous adenoma 2. Resection margins, proximal and distal: Free of tumor. 3. Regional lymph nodes: Free of tumor in all nodes(0/15), in detail, principal(0/0), regional(0/15). <p>Ovary and fallopian tube, right, salpingoophorectomy: Ovary: Mucinous cystadenoma. Fallopian tube: No pathological diagnosis.</p>
10	B	5	F	68	non-neoplastic	non-neoplastic from A5
11	C	1	F	68	adenocarcinoma	<p>Colon, sigmoid, colectomy:</p> <p>Adenocarcinoma, ulcerofungating type, moderately differentiated,</p> <ol style="list-style-type: none"> 1) size: 7x6cm 2) extension to subserosa and direct invasion to the small intestine(T4) (to whole depth invasion of small intestine) 3) frequent vascular invasion 4) resection margins, proximal and distal: Free of tumor. <p>Regional lymph nodes: Metastatic carcinoma in 1 out of 2 lymph nodes (1/2).</p>
12	D	1	F	68	non-neoplastic	non-neoplastic from C1

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No	Coordinate		Sex	Age	Key Word	Histological Diagnosis
13	C	2	M	52	adenocarcinoma	Distal ileum, colon and appendix, extended radical right hemicolectomy: 1. Transverse colon: Fungating adenocarcinoma, moderately differentiated, 1) size: 9.5x7.5cm 2) extension to the pericolic fat tissue(pT3c) 3) lymphovascular permeation: Positive 2. Resection margins, proximal and distal: Free of tumor. 3. Regional lymph nodes: Tumor metastasis to 1 out of 37(1/37).
14	D	2	M	52	non-neoplastic	non-neoplastic from C2
15	C	3	M	70	adenocarcinoma	Colon, total colectomy: 1. Fungating adenocarcinoma, moderately differentiated 1) size: 5x4cm 2) extension to the pericolic fat tissue(pT3b) 3) lymphovascular permeation: Positive 4) lateral margin: Free of tumor. 5) combined hyperplastic polyp. 2. Resection margins, proximal and distal: Free of tumor. 3. Appendix: No pathological diagnosis. 4. Regional lymph nodes: Free of tumor(0/31).
16	D	3	M	70	non-neoplastic	non-neoplastic from C3

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No	Coordinate		Sex	Age	Key Word	Histological Diagnosis
17	C	4	M	66	adenocarcinoma	<p>Colon with pericolic fatty tissue, transverse colectomy: Ulcerofungating adenocarcinoma, moderately differentiated</p> <ol style="list-style-type: none"> 1) size: 8x7cm 2) extension to the pericolic fat tissue 3) infiltrating growth pattern 4) frequent vascular and perineural invasion 5) resection margins, proximal and distal: Free of tumor. 6) regional lymph node: Free of tumor in all 23 lymph nodes (0/23) <p>Tissue, labelled as peritoneal nodule: Mesothelial inclusion cyst.</p>
18	D	4	M	66	non-neoplastic	non-neoplastic from C4
19	C	5	M	65	adenocarcinoma	<p>Colon with pericolic fatty tissue, transverse colectomy: ulcerofungating adenocarcinoma, moderately differentiated</p> <ol style="list-style-type: none"> 1) size: 8x7cm 2) extension to the pericolic fat tissue 3) infiltrating growth pattern 4) frequent vascular and perineural invasion 5) resection margins, proximal and distal: free of tumor 6) regional lymph node: free of tumor in all 23 lymph nodes (0/23) 7) tissue, labelled as peritoneal nodule: mesothelial inclusion cyst.
20	D	5	M	65	non-neoplastic	non-neoplastic from C5

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No	Coordinate		Sex	Age	Key Word	Histological Diagnosis
21	E	1	M	74	adenocarcinoma	Colon, transverse colectomy: Adenocarcinoma, moderately differentiated, ulcerofungating type, 1) size: 6x4cm 2) extension to the serosal surface 3) no vascular and perineural invasion 4) resection margins, proximal and distal: Free of tumor 5) regional lymph nodes: Free of tumor(0/22) MSI(Microsatellite instability) test Marker Name bat26 D5S346 bat25 D17S250 D2S123 Microsatellite instability no no no no no MSS Allelic uninfor- no(1.11) uninfor- no(1.13) no(0.99) Imbalance mative mative
22	F	1	M	74	non-neoplastic	non-neoplastic from E1

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No	Coordinate		Sex	Age	Key Word	Histological Diagnosis
23	E	2	F	74	adenocarcinoma	Colon, descending, left hemicolectomy: Ulcerofungating adenocarcinoma, moderately differentiated, 1) size: 7.5x4cm 2) infiltrating growth pattern 3) extension to the pericolic fatty tissue 4) extensive vascular invasion 5) no perineural invasion 6) resection margins, proximal and distal: Free of tumor 7) regional lymph nodes: Metastatic adenocarcinoma in 3 out of 15 lymph nodes(3/15), in detail, principal lymph node(0/0), pericolic lymph node(3/15) MSI(Microsatellite instability) test Marker Name bat26 D5S346 bat25 D17S250 D2S123 Microsatellite instability no no no no no MSS Allelic uninfor- uninfor- uninfor- yes(2.76) yes(0.54) Imbalance mative mative mative
24	F	2	F	74	non-neoplastic	non-neoplastic from E2