

**A713IV- Test slide, Colon cancer tissues with
corresponding normal tissues**

(formalin fixed)

For research use only

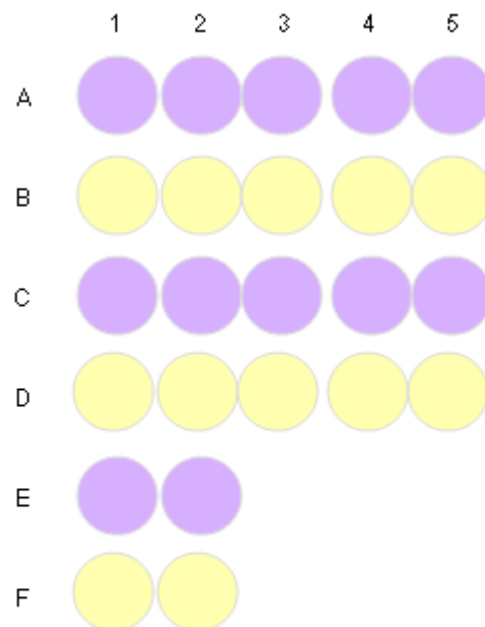
Specifications:

- 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:



● : Adenocarcinoma
● : Non-neoplastic

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Summary of tissue spots

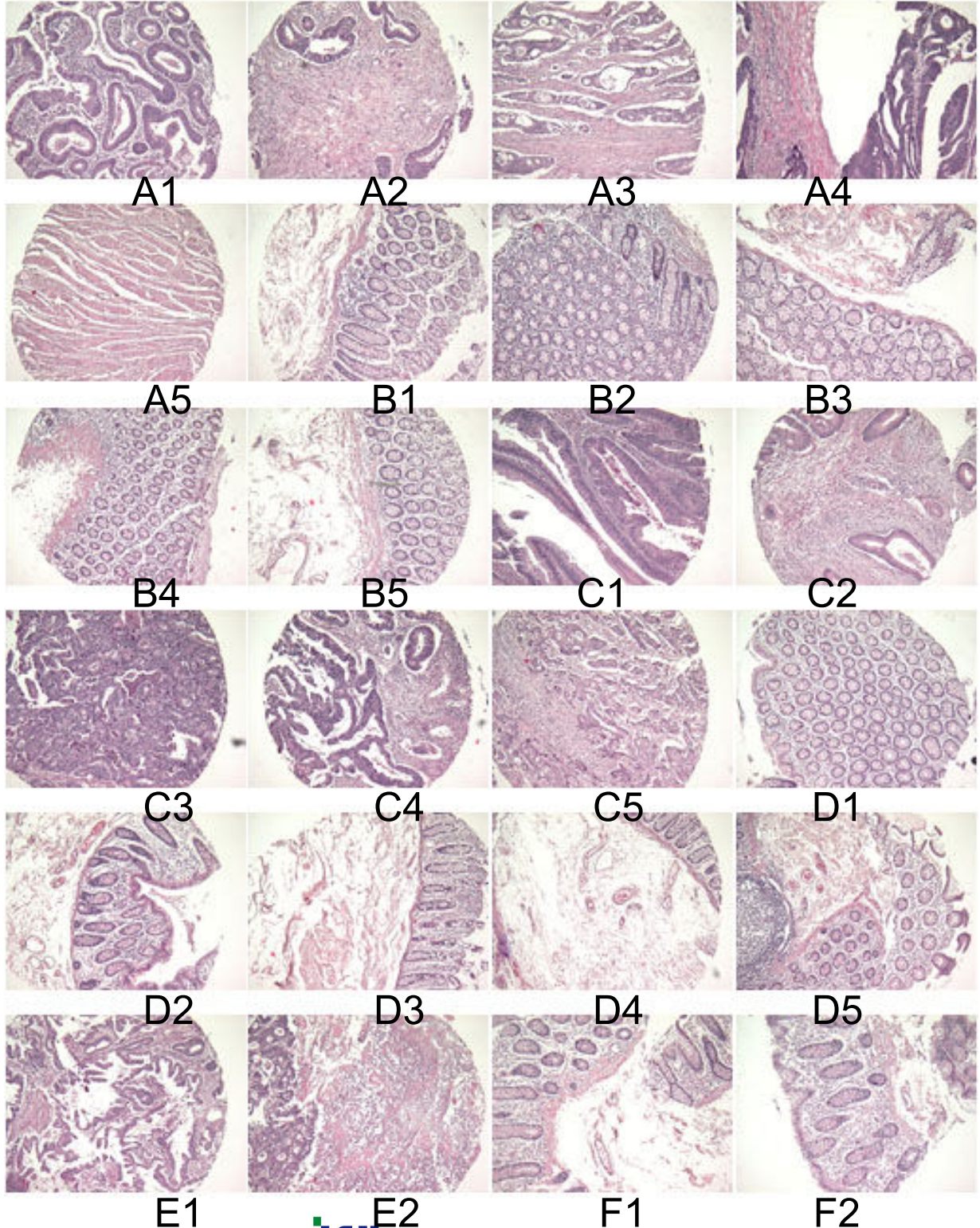
No	Coordinate		Sex	Age	Key Word
1	A	1	m	64	Adenocarcinoma
2	B	1	m	64	Non-neoplastic from A1
3	A	2	m	43	Adenocarcinoma
4	B	2	m	43	Non-neoplastic from A2
5	A	3	m	70	Adenocarcinoma
6	B	3	m	70	Non-neoplastic from A3
7	A	4	f	75	Adenocarcinoma
8	B	4	f	75	Non-neoplastic from A4
9	A	5	f	74	Adenocarcinoma
10	B	5	f	67	Non-neoplastic from A5
11	C	1	f	67	Adenocarcinoma
12	D	1	f	67	Non-neoplastic from C1
13	C	2	f	68	Adenocarcinoma
14	D	2	f	68	Non-neoplastic from C2
15	C	3	m	76	Adenocarcinoma
16	D	3	m	76	Non-neoplastic from C3
17	C	4	m	51	Adenocarcinoma
18	D	4	m	51	Non-neoplastic from C4
19	C	5	m	69	Adenocarcinoma
20	D	5	m	69	Non-neoplastic from C5
21	E	1	m	65	Adenocarcinoma
22	F	1	m	65	Non-neoplastic from E1
23	E	2	m	82	Adenocarcinoma
24	F	2	m	82	Non-neoplastic from E2

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**QC sheet_LOT#1321208010181
Hematoxylin and Eosin staining**



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No	Coordinate		Sex	Age	Key Word	Histological Diagnosis
1	A	1	m	64	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	64	non-neoplastic	non-neoplastic from A1
3	A	2	m	43	adenocarcinoma	Colon, rectum, lower anterior resection: 1) colon: ulcerofungating adenocarcinoma, moderately differentiated, - size: 5.5x4.5cm - extension to the pericolic fat tissue(pT3c) - lateral margin: free of tumor - lymphovascular permeation(+) 2) urinary bladder: free of tumor 3) resection margins, proximal and distal: free of tumor 4) regional lymph nodes: tumor metastasis to 4 out of 11(4/11), in detail, regional(4/8), principal(0/3).
4	B	2	m	43	non-neoplastic	non-neoplastic from A2

No	Coordinate		Sex	Age	Key Word	Histological Diagnosis														
5	A	3	m	70	adenocarcinoma	<p>Colon, sigmoid, radical sigmoid colectomy: ulcero-fungating adenocarcinoma, poorly differentiated</p> <ol style="list-style-type: none"> 1) size: 4.2cm in length 2) extension to the pericolic fat tissue (pT3c) <ul style="list-style-type: none"> - lateral margin: free of tumor - lymphovascular permeation: present 3) resection margins, proximal and distal: free of tumor 4) regional lymph nodes: tumor metastasis to 2 out of 17(2/17), in detail, principal(0/8), regional(2/9) 5) microsatellite instability test <table border="0" style="margin-left: 20px;"> <tr> <td>marker name</td> <td>bat26</td> <td>D5S346</td> <td>bat25</td> <td>D17S250</td> <td>D2S123</td> <td></td> </tr> <tr> <td>microsatellite</td> <td>No</td> <td>No</td> <td>No</td> <td>No</td> <td>No</td> <td>MSS</td> </tr> </table> instability allelic uninformative uninformative No(1.15) uninformative imbalance. 	marker name	bat26	D5S346	bat25	D17S250	D2S123		microsatellite	No	No	No	No	No	MSS
marker name	bat26	D5S346	bat25	D17S250	D2S123															
microsatellite	No	No	No	No	No	MSS														
6	B	3	m	70	non-neoplastic	non-neoplastic from A3														
7	A	4	f	75	adenocarcinoma	<ol style="list-style-type: none"> 1. Colon, left, lower anterior resection: <ol style="list-style-type: none"> 1) ulcerofungating adenocarcinoma, moderately differentiated <ul style="list-style-type: none"> - size: 4.5x4.7cm - extension to the pericolic fat tissue(pT3b) - lymphovascular permeation(+) - lateral margin: free of tumor - associated obstructive colitis 2) resection margins, proximal and distal: free of tumor 3) regional lymph nodes: free of tumor in all nodules(0/37), principal(0/4), regional(0/33) 4) microsatellite instability test <table border="0" style="margin-left: 20px;"> <tr> <td>marker name</td> <td>bat26</td> <td>D5S346</td> <td>bat25</td> <td>D17S250</td> <td>D2S123</td> <td></td> </tr> <tr> <td>microsatellite</td> <td>No</td> <td>No</td> <td>No</td> <td>No</td> <td>No</td> <td>MSS</td> </tr> </table> instability allelic uninformative yes(0.58) uninformative yes(0.14) uninforma-imbalance 2. Uterus fundus, seeding nodule: myometrium with foreign body reaction 3. Small intestine, ileum: subserosal fibrosis with chronic nonspecific inflammation and foreign body reaction. 	marker name	bat26	D5S346	bat25	D17S250	D2S123		microsatellite	No	No	No	No	No	MSS
marker name	bat26	D5S346	bat25	D17S250	D2S123															
microsatellite	No	No	No	No	No	MSS														
8	B	4	f	75	non-neoplastic	non-neoplastic from A4														

No	Coordinate		Sex	Age	Key Word	Histological Diagnosis
9	A	5	f	74	adenocarcinoma	<p>Colon, abdominoperineal resection:</p> <ol style="list-style-type: none"> 1) ulcerofungating adenocarcinoma, poorly differentiated <ul style="list-style-type: none"> - annular involvement, 3.5cm in width - extension to the pericolic fat tissue and to the adheted skeletal muscle(T4a) - lateral margin: free of tumor - lymphovascular permeation (+) 2) resection margins, proximal and distal: free of tumor 3) regional lymph nodes: tumor metastasis to 4 out of 22(4/22), in detail, principal(0/1), regional(4/21).
10	B	5	f	67	non-neoplastic	non-neoplstic from A5
11	C	1	f	67	adenocarcinoma	<ol style="list-style-type: none"> 1. Colon, sigmoid, radical sigmoid colectomy: <ol style="list-style-type: none"> 1) fungating adenocarcinoma, moderately differentiated, <ul style="list-style-type: none"> - size: 5.5x4.5cm - extension into the inner muscle layer(pT2) - lymphovascular permeation(+) - 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) 2. Ovary and fallopian tube, right, salpingoophorectomy: <ol style="list-style-type: none"> 1) ovary: mucinous cystadenoma 2) fallopian tube: no pathological diagnosis.
12	D	1	f	67	non-neoplastic	non-neoplstic from C1

No	Coordinate		Sex	Age	Key Word	Histological Diagnosis
13	C	2	f	68	adenocarcinoma	<p>Colon, sigmoid, radical sigmoid colectomy:</p> <p>1) ulcerofungating adenocarcinoma - size: 4.3x4.3cm - extension to the pericolic fat tissue(pT3a) - lymphovascular permeation, present - lateral margin: free of tumor</p> <p>2) resection margins, proximal and distal: free of tumor 3) regional lymph nodes: free of tumor in all nodes(0/13), in detail, principal(0/0), regional(0/13) 4) microsatellite instability test marker name bat26 D5S346 bat25 D17S250 D2S123 microsatellite No No No No No MSS instability allelic uninformative No(0.81) uninformative No(1.04) Yes(0.21) imbalance.</p>
14	D	2	f	68	non-neoplastic	non-neoplastic from C2
15	C	3	m	76	adenocarcinoma	<p>Distal ileum, cecum and ascending colon, right hemicolectomy:</p> <p>1) ascending colon: ulcerofungating adenocarcinoma, moderately differentiated - size: 5.5x4cm - extension to the pericolic fat tissue(pT3a) - lymphovascular permeation: positive</p> <p>2) separate masses: tubular adenoma with low grade dysplasia 3) appendix: no pathological diagnosis 4) resection margins, proximal and distal: free of tumor 5) regional lymph nodes: free of tumor in all nodes(0/25)</p> <p><additional report> MSI(Microsatellite instability) test marker Name bat26 D5S346 bat25 D17S250 D2S123 microsatellite No No No No No MSS instability allelic uninfor- No(0.88) uninfor- uninfor- No(1.08) Imbalance mative mative mative</p>
16	D	3	m	76	non-neoplastic	non-neoplastic from C3

No	Coordinate		Sex	Age	Key Word	Histological Diagnosis
17	C	4	m	51	adenocarcinoma	Distal ileum, colon and appendix, extended radical right hemicolectomy: 1) transverse colon: fungating adenocarcinoma, moderately differentiated, - size: 9.5x7.5cm - extension to the pericolic fat tissue(pT3c) - lymphovascular permeation (+) 2) resection margins, proximal and distal: free of tumor 3) regional lymph nodes: tumor metastasis to 1 out of 37(1/37).
18	D	4	m	51	non-neoplastic	non-neoplastic from C4
19	C	5	m	69	adenocarcinoma	Colon, total colectomy: 1) fungating adenocarcinoma, moderately differentiated - size: 5x4cm - extension to the pericolic fat tissue(pT3b) - lymphovascular permeation (+) - lateral margin: free of tumor - combined hyperplastic polyp 2) resection margins, proximal and distal: free of tumor 3) regional lymph nodes: free of tumor(0/31) 4) appendix: no pathological diagnosis.
20	D	5	m	69	non-neoplastic	non-neoplastic from C5
21	E	1	m	65	adenocarcinoma	Colon with pericolic fatty tissue, transverse colectomy: ulcerofungating adenocarcinoma, moderately differentiated with 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.
22	F	1	m	65	non-neoplastic	non-neoplastic from E1

No	Coordinate		Sex	Age	Key Word	Histological Diagnosis																																			
23	E	2	m	82	adenocarcinoma	<p>1. Colon, right, hemicolectomy: ulcerofungating adenocarcinoma, moderately differentiated, in cecum and ileocecal valve with</p> <ol style="list-style-type: none"> 1) size: 6x6cm 2) extension to pericolic fatty tissue 3) infiltrating growth pattern(pT3) 4) frequent vascular and perineural invasion 5) metastasis to the regional pericolic lymph nodes(3/23) 6) resection margins, proximal and distal: free of tumor 7) multicystic peritoneal mesothelioma 8) microsatellite instability test <table border="0"> <tr> <td>marker name</td> <td>bat26</td> <td>D5S346</td> <td>bat25</td> <td>D17S250</td> <td>D2S123</td> <td></td> </tr> <tr> <td>microsatellite</td> <td>yes</td> <td>yes</td> <td>yes</td> <td>yes</td> <td>yes</td> <td>MSI-high</td> </tr> <tr> <td>instability</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>allelic</td> <td>uninfor-</td> <td>uninfor-</td> <td>uninfor-</td> <td>uninfor-</td> <td>uninfor-</td> <td></td> </tr> <tr> <td>imbalance</td> <td>mative</td> <td>mative</td> <td>mative</td> <td>mative</td> <td>mative</td> <td></td> </tr> </table> <p>2. Terminal ileum: tumor extension 3. Appendix: free of tumor.</p>	marker name	bat26	D5S346	bat25	D17S250	D2S123		microsatellite	yes	yes	yes	yes	yes	MSI-high	instability							allelic	uninfor-	uninfor-	uninfor-	uninfor-	uninfor-		imbalance	mative	mative	mative	mative	mative	
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