

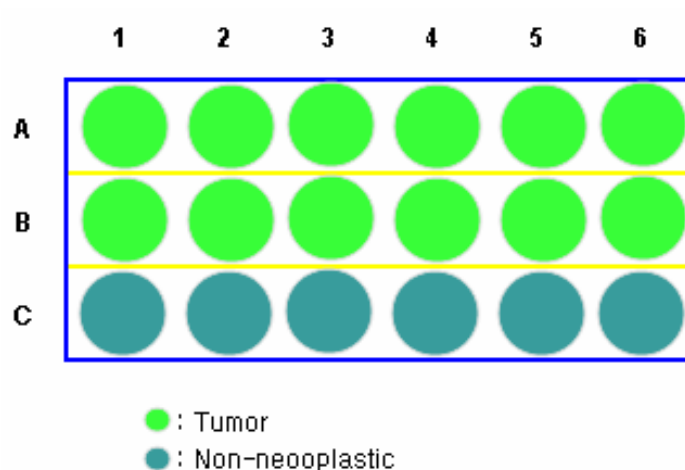
Specifications:

- No. of cases: 6
- Tissue type: Test slide, various cancer tissues with corresponding normal tissues
- No. of spots: 2 spots from each cancer case (12 spots)
6 non-neoplastic spots (6 spots)
- Total spots: 18
- Corresponding normal tissues with cancers: Yes
- Diameter: 1.5 mm

Documents:

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

Layout:



(Acetone fixed)

For research use only

Summary of tissue spots

No	Coordinate	Sex	Age	Specimen	Key Word
1	A1 B1 C1*	m	56	colon	Adenocarcinoma
2	A2 B2 C2*	f	60	colon	Adenocarcinoma
3	A3 B3 C3*	m	47	colon	Adenocarcinoma
4	A4 B4 C4*	f	80	colon	Adenocarcinoma
5	A5 B5 C5*	m	38	colon	Adenocarcinoma
6	A6 A6 C6*	m	52	colon	Adenocarcinoma

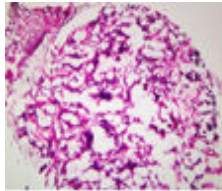
*: corresponding non-neoplastic tissues

A1203(I)-Colon **Frozen cancer tissues with
corresponding normal tissues**

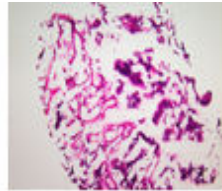
(Acetone fixed)

For research use only

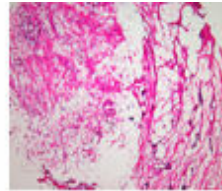
**QC sheet_LOT#:120220609091
Hematoxylin and Eosin staining**



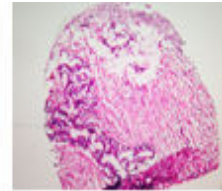
A1



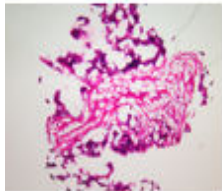
A2



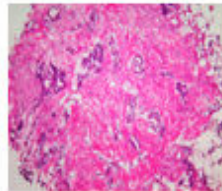
A3



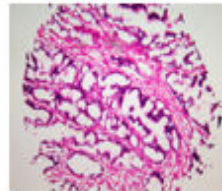
A4



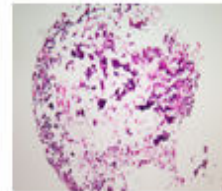
A5



A6



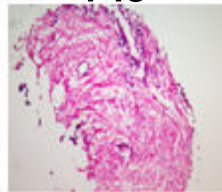
B1



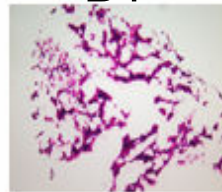
B2



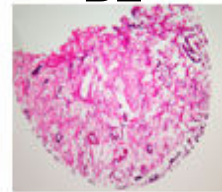
B3



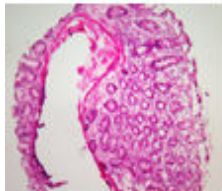
B4



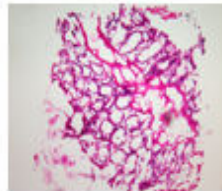
B5



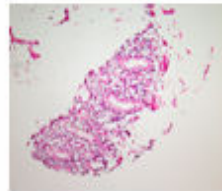
B6



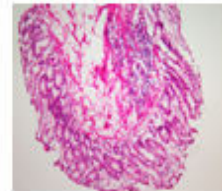
C1



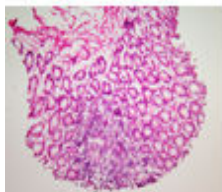
C2



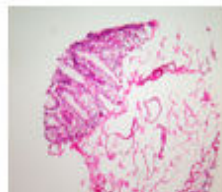
C3



C4



C5



C6

A1203(I): Colon Frozen tissues With corresponding normal

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis
1	A	1	m	56	Colon: Adenocarcinoma	1. Transverse colon, right hemicolectomy: Adenocarcinoma, moderately differentiated, ulcerofungating type 1) extension to the pericolic fat tissue. 2) resection margins, proximal and distal: Free of tumor. 3) lymph nodes, regiona I (0/21): Free of tumor. 2. Appendix: No pathological diagnosis.
2	B	1	m	56	Colon: Adenocarcinoma	1. Transverse colon, right hemicolectomy: Adenocarcinoma, moderately differentiated, ulcerofungating type 1) extension to the pericolic fat tissue. 2) resection margins, proximal and distal: Free of tumor. 3) lymph nodes, regiona I (0/21): Free of tumor. 2. Appendix: No pathological diagnosis.
3	C	1	m	56	Non-neoplastic	Non-neoplastic from, A1,B1
4	A	2	f	60	Colon: Adenocarcinoma	1. Sigmoid colon, colectomy: Adenocarcinoma, moderately differentiated, ulcerofungating type 1) size: 9x7x6cm 2) extension to pericolic fat tissue and serosal surface(T4) 3) lymphovascular and perineural invasion, positive 4) associated with tubular adenoma with low grade dysplasia 2. Resection margins, proximal and distal: Free of tumor. Lymph nodes: Metastatic adenocarcinoma in 5 out of 20 lymph nodes (5/20), in detail, principal (0/4), pericolic (5/16). MSI(Microsatellite instability) test Marker Name bat26 D5S346 bat25 D17S250 D2S123 Microsatellite No No No No No MSS instability Allelic uninformative Yes (0.25) uninformative Yes (1.51) No (1.00) Imbalance

A1203(I): Colon Frozen tissues With corresponding normal

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis
5	B	2	f	60	Colon: Adenocarcinoma	<p>1.Sigmoid colon, colectomy: Adenocarcinoma, moderately differentiated, ulcerofungating type 1) size: 9x7x6cm 2) extension to pericolic fat tissue and serosal surface(T4) 3) lymphovascular and perineural invasion, positive 4) associated with tubular adenoma with low grade dysplasia</p> <p>2. Resection margins, proximal and distal: Free of tumor. Lymph nodes: Metastatic adenocarcinoma in 5 out of 20 lymph nodes (5/20), in detail, principal (0/4), pericolic (5/16).</p> <p>MSI(Microsatellite instability) test Marker Name bat26 D5S346 bat25 D17S250 D2S123 Microsatellite No No No No No MSS instability Allelic uninformative Yes (0.25) uninformative Yes (1.51) No (1.00) Imbalance</p>
6	C	2	f	60	Non-neoplastic	Non-neoplastic from, A2,B2
7	A	3	m	47	Colon: Adenocarcinoma	<p>1.Colon, right, hemicolectomy: Adenocarcinoma, well-differentiated, 1) extension to pericolic fat tissue with occasional lymphatic permeation. 2) resection margins, proximal and distal: Free of tumor. 3) regional lymph node, principal (0/0), pericolic (1/14), peri-ileal (0/9):(1/23): Tumor metastasis in 1 out of 23 nodes.</p>

A1203(I): Colon Frozen tissues With corresponding normal

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis
8	B	3	m	47	Colon: Adenocarcinoma	1.Colon, right, hemicolectomy: Adenocarcinoma, well-differentiated, 1) extension to pericolic fat tissue with occasional lymphatic permeation. 2) resection margins, proximal and distal: Free of tumor. 3) regional lymph node, principal (0/0), pericolic (1/14), peri-ileal (0/9):(1/23): Tumor metastasis in 1 out of 23 nodes.
9	C	3	f	47	Non-neoplastic	Non-neoplastic from, A4,B4
10	A	4	f	80	Colon: Adenocarcinoma	1.Sigmoid colon, segmental resection: Adenocarcinoma, moderately differentiated, ulcerative type 1) extension to the pericolic fat tissue. 2) Obstructive colitis. 3) resection margins, proximal and distal: Free of tumor. 4) lymph nodes, regional (1/24): metastatic adenoarcinoma in 1 out of 24 lymph nodes.
11	B	4	f	80	Colon: Adenocarcinoma	1.Sigmoid colon, segmental resection: Adenocarcinoma, moderately differentiated, ulcerative type 1) extension to the pericolic fat tissue. 2) Obstructive colitis. 3) resection margins, proximal and distal: Free of tumor. 4) lymph nodes, regional (1/24): metastatic adenoarcinoma in 1 out of 24 lymph nodes.
12	C	4	f	80	Non-neoplastic	Non-neoplastic from, A4,B4

A1203(I): Colon Frozen tissues With corresponding normal

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis
13	A	5	m	38	Colon: Adenocarcinoma	<p>1. Rectum, low anterior resection: Ulcerofungating adenocarcinoma moderately differentiated with</p> <ol style="list-style-type: none"> 1) size: 6.2x5.2cm 2) infiltrative growth 3) extension to perirectal soft tissue but intact lateral resection margin 4) no vascular and perineural invasion 5) intact proximal and distal resection margins 6) metastasis to 5 out of 29 perirectal lymph nodes (principal (0/9) and perirectal (5/20)) <p><Additional report > MSI(Microsatellite instability) test Marker Name bat26 D5S346 bat25 D17S250 D2S123 Microsatellite No No No No No MSS instability Allelic uninformative uninformative No (0.79) No (1.28) Imbalance</p>

A1203(I): Colon Frozen tissues With corresponding normal

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis
14	B	5	m	38	Colon: Adenocarcinoma	<p>1. Rectum, low anterior resection: Ulcerofungating adenocarcinoma moderately differentiated with</p> <ol style="list-style-type: none"> 1) size: 6.2x5.2cm 2) infiltrative growth 3) extension to perirectal soft tissue but intact lateral resection margin 4) no vascular and perineural invasion 5) intact proximal and distal resection margins 6) metastasis to 5 out of 29 perirectal lymph nodes (principal (0/9) and perirectal (5/20)) <p><Additional report > MSI(Microsatellite instability) test Marker Name bat26 D5S346 bat25 D17S250 D2S123 Microsatellite No No No No No MSS instability Allelic uninformative uninformative No (0.79) No (1.28) Imbalance</p>
15	C	5	m	38	Non-neoplastic	Non-neoplastic from, A5,B5
16	A	6	m	52	Colon: Adenocarcinoma	<p>1.Colon with pericolic soft tissue, sigmoid, colectomy: Ulceroinfiltrative adenocarcinoma, moderately differentiated</p> <ol style="list-style-type: none"> 1) size: 5x4.5cm. 2) infiltrative growth. 3) penetration of muscle layer and extension to pericolic fatty tissue. 4) vascular and perineural invasion. 5) intact proximal, distal and lateral resection margins. 6) metastasis to 2 out of 12 pericolic lymph nodes (principal(0/1), and pericolic(2/11)). <p>2.Colon, clinically stated as polyp, separately submitted: Inflammatory polyp.</p>

A1203(I): Colon Frozen tissues With corresponding normal

No.	Coordinate		Sex	Age	Key Word	Histological Diagnosis
17	B	6	m	52	Colon: Adenocarcinoma	<p>1.Colon with pericolic soft tissue, sigmoid, colectomy: Ulceroinfiltrative adenocarcinoma, moderately differentiated</p> <ol style="list-style-type: none"> 1) size: 5x4.5cm. 2) infiltrative growth. 3) penetration of muscle layer and extension to pericolic fatty tissue. 4) vascular and perineural invasion. 5) intact proximal, distal and lateral resection margins. 6) metastasis to 2 out of 12 pericolic lymph nodes (principal(0/1), and pericolic(2/11). <p>2.Colon, clinically stated as polyp, separately submitted: Inflammatory polyp.</p>
18	C	6	m	52	Non-neoplastic	Non-neoplastic from, A5,B5