

A701 VI- Various cancer tissues with corresponding normal tissues

(formalin fixed)

For research use only

























Specifications:



- No. of cases: 12
- Tissue type: Various 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:

	1	2	3	4	5	6
A	Cervix	SKIN	ESOPHAGUS	LUNG	THYROID	BREAST
	Invasive SCC	SCC	SCC	SCC	PAPILLARY CA	DUTAL CA
						
	NON-NEOPLASTIC	NON-NEOPLASTIC	NON-NEOPLASTIC	NON-NEOPLASTIC	NON-NEOPLASTIC	NON-NEOPLASTIC
B						
	LIVER	STOMACH	COLON	KIDNEY	OVARY	Urinary bladder
	HCC	ADENOCA	ADENOCA	RCC	YOLK SAC TUMOR	Papillary urothelial ca.
	NON-NEOPLASTIC	NON-NEOPLASTIC	NON-NEOPLASTIC	NON-NEOPLASTIC	NON-NEOPLASTIC	NON-NEOPLASTIC
C						
						

 : tumor
 : non-neoplastic

A701 VI- Various cancer tissues with corresponding normal tissues

(formalin fixed)

For research use only

Summary of tissue spots

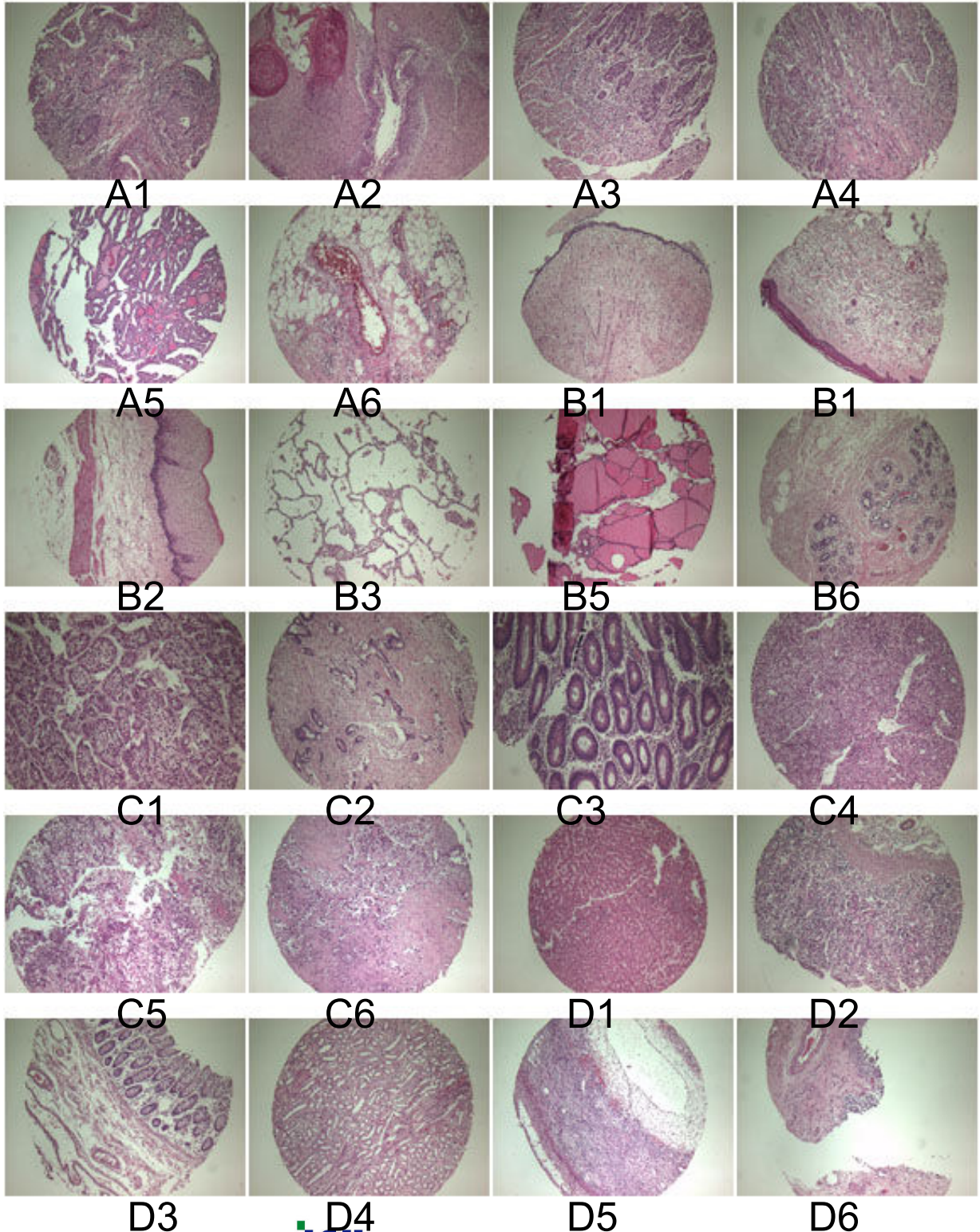
No	Coordinate	Sex	Age	Key Word	
1	A	1	f	68	Cervix: squamous cell carcinoma
2	B	1	f	68	Non-neoplastic from A1
3	A	2	f	65	Skin: squamous cell carcinoma
4	B	2	f	65	Non-neoplastic from A2
5	A	3	m	57	Esophagus: squamous cell carcinoma
6	B	3	m	57	Non-neoplastic from A3
7	A	4	f	64	Lung: squamous cell carcinoma
8	B	4	f	64	Non-neoplastic from A4
9	A	5	f	49	Thyroid gland: papillary carcinoma
10	B	5	f	49	Non-neoplastic from A5
11	A	6	f	44	Breast: infiltrating ductal carcinoma
12	B	6	f	44	Non-neoplastic from A6
13	C	1	m	53	Liver: hepatocellular carcinoma
14	D	1	m	53	Non-neoplastic from C1
15	C	2	f	65	Stomach: adenocarcinoma
16	D	2	f	65	Non-neoplastic from C2
17	C	3	m	60	Colon: adenocarcinoma
18	D	3	m	60	Non-neoplastic from C3
19	C	4	m	46	Kidney: renal cell carcinoma
20	D	4	m	46	Non-neoplastic from C4
21	C	5	f	15	Ovary: yolk sac tumor
22	D	5	f	15	Non-neoplastic from C5
23	C	6	m	43	Urinary bladder: papillary urothelial carcinoma
24	D	6	m	43	Non-neoplastic from C6

**A701 VI- Various cancer tissues with
corresponding normal tissues**

(formalin fixed)

For research use only

**QC sheet_LOT#132121001071
Hematoxylin and Eosin staining**



A701 VI: Various cancer tissues with corresponding normal tissues

No	Coordinate		Sex	Age	Key Word	Histological Diagnosis
1	A	1	f	68	uterus: squamous cell carcinoma	Uterus with both adnexae, radical abdominal hysterectomy with bilateral salpingoophorectomy, BPLND: 1) cervix: Invasive squamous cell carcinoma, moderately differentiated - large cell, keratinizing - size: 3.3x3cm - extension to the nearly whole depth(invasion depth: 1.7cm) - lateral margin: Free of tumor - lymphovascular permeation: positive 2) endometrium: atrophy 3) myometrium : leiomyoma, subserosal 4) ovaries, bilateral: no pathological diagnosis 5) fallopian tubes, bilateral: no pathological diagnosis 6) parametrium, bilateral: free of tumor 7) vaginal cuff: free of tumor 8) regional lymph nodes: free of tumor in all nodes(0/16), in detail, right pelvic node(0/9), left pelvic node(0/5), common iliac node(0/2).
2	B	1	f	68	non-neoplastic	non-neoplastic from A1
3	A	2	f	65	skin: squamous cell carcinoma	Skin, leg, left, wide excision: squamous cell carcinoma, well differentiated with focal invasion into the upper dermis 1) resection margin: free of tumor, see note 2) the possibility of verrucous carcinoma is suggested.
4	B	2	f	65	non-neoplastic	non-neoplastic from A2
5	A	3	m	57	esophagus: squamous cell carcinoma lymph node: free of tumor	Esophagus and cardia of stomach, esophagectomy and node dissection: 1) ulcerative squamous cell carcinoma, poorly differentiated, - size: 3.3x1cm - extension to the outer muscle layer - lymphovascular permeation (+) 2) resection margins, proximal and distal: free of tumor 3) regional lymph nodes: free of tumor in all nodes(0/24), in detail, subcarinal(0/10), hilar(0/2), pretracheal(0/6), lower paratracheal(0/3), left paracardial(0/2), 8L(0/1), omental mass(free of tumor).
6	B	3	m	57	non-neoplastic	non-neoplastic from A3

A701 VI: Various cancer tissues with corresponding normal tissues

No	Coordinate		Sex	Age	Key Word	Histological Diagnosis
7	A	4	f	64	lung: squamous cell carcinoma	Lung, right lower lobe, lobectomy: 1) squamous cell carcinoma, moderately differentiated - size: 7x5cm - extension to the visceral pleura - associated obstructive pneumonitis 2) bronchial resection margin: free of tumor.
8	B	4	f	64	non-neoplastic	non-neoplastic from A4
9	A	5	f	49	thyroid gland: papillary carcinoma	Thyroid gland, bilateral, total thyroidectomy and CCND 1) papillary carcinoma, multifocal, involving both thyroid glands with - size: 2.7x2.6x2cm of the biggest one (right thyroid mass) - extension beyond the capsule 2) lymph node: metastatic carcinoma in 7 out of 13 lymph nodes(7/13), in detail, right CCND(0/2), left No.6(3/6), left No.7(4/5).
10	B	5	f	49	non-neoplastic	non-neoplastic from A5
11	A	6	f	44	breast: infiltrating ductal carcinoma	Breast, right, modified radical mastectomy: infiltrating ductal carcinoma with 1) size: 2.6x2.6x1.5cm 2) modified bloom-richardson's histological grade: II (moderately differentiated) (tubular formation: 3, nuclear pleomorphism: 3, mitosis: 2) 3) black nuclear grade 1(poorly differentiated) 4) frequent lymphovascular permeation 5) immunoexpression: C-erb B2, ER, PR: (+) 6) nipple and areola: free of tumor 7) overlying skin: free of tumor 8) underlying fascia: free of tumor 9) lymph nodes: metastatic adenocarcinoma in 1 out of 9 lymph nodes(1/9), in detail, axillary lymph node(1/6), level II lymph node (0/3).
12	B	6	f	44	non-neoplastic	non-neoplastic from A6

A701 VI: Various cancer tissues with corresponding normal tissues

No	Coordinate		Sex	Age	Key Word	Histological Diagnosis
13	C	1	m	53	liver: hepatocellular carcinoma	Liver, right lobe, lobectomy: hepatocellular carcinoma with 1) size: 8x8x6.8cm 2) edmondson-steiner grade III 3) clear cell(majority) and trabecular histologic type 4) single nodular type with perinodal spreading growth 5) necrosis: less than 10% of total volume 6) microvascular invasion 7) intact intrahepatic resection margin 8) nonneoplastic liver showing: chronic hepatitis, B viral, with mild inflammatory activity(grade II) and early cirrhosis(stage III).
14	D	1	m	53	non-neoplastic	non-neoplastic from C1
15	C	2	f	65	stomach: adenocarcinoma	Stomach, pancreas and spleen, radical total gastrectomy, splenectomy and pancreatectomy: 1) stomach: ulceroinfiltrative adenocarcinoma, moderately differentiated, - size: 10.7x9cm - extension to the serosa and pancreas parenchyme - lymphovascular permeation: positive - Intestinal type by Lauren's classification 2) resection margins, proximal and distal: free of tumor resection margin, pancreas: free of tumor 3) regional lymph nodes: tumor metastasis to 2 out of 47(2/47), in detail, N1(0/5), N3(0/5), N4(0/8), N5(0/2), N6(1/16), N7(0/2), N8(1/4), N9(0/2), N10(0/3) 4) pancreas: tumor extension 5) spleen: congestion.
16	D	2	f	65	non-neoplastic	non-neoplastic from C2
17	C	3	m	60	colon: 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).

A701 VI: Various cancer tissues with corresponding normal tissues

No	Coordinate	Sex	Age	Key Word	Histological Diagnosis	
18	D	3	m	60	non-neoplastic	non-neoplastic from C3
19	C	4	m	46	kidney: renal cell carcinoma	<ol style="list-style-type: none"> Kidney, left, nephrectomy: renal cell carcinoma, clear cell type <ol style="list-style-type: none"> size: 4x4cm confined within the renal capsule nuclear grade 2 renal artery and vein: free of tumor Ureter resection margin: free of tumor Adrenal gland: free of tumor.
20	D	4	m	46	non-neoplastic	non-neoplastic from C4
21	C	5	f	15	ovary: yolk sac tumor	<p>Ovary and fallopian tube, right, right salpingo-oophorectomy:</p> <ol style="list-style-type: none"> ovary: malignant germ cell tumor, probably yolk sac tumor (endodermal sinus tumor) fallopian tube: paraovarian cyst result of special stain: AFP(+), HCG(-), PAS(+), D-PAS(-).
22	D	5	f	15	non-neoplastic	non-neoplastic from C5
23	C	6	m	43	Urinary bladder: papillary urothelial carcinoma	<ol style="list-style-type: none"> Urinary bladder including prostate, seminal vesicle and ureter radical cystectomy: <ol style="list-style-type: none"> Urinary bladder: Papillary urothelial carcinoma. High grade squamous differentiation various pathological state including low grade papillary urothelial carcinoma, urothelial tumor of low malignant potential carcinoma in situ and papilloma extension to the perivesical soft tissue and prostate extensive lymphatic, venous and perineural invasion, incompletely excised. Seminal vesicle: Free of tumor. Ureters, bilateral, resection margins: Free of tumor.
24	D	6	m	43	non-neoplastic	non-neoplastic from C6