

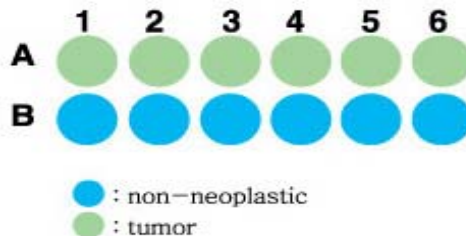
**Specifications:**

- No. of cases: 6
- Tissue type: Test slide, pancreas cancer tissues with corresponding normal tissues
- No. of spots: 1 spot 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
- Pathological Diagnosis

**Layout:**



**A717:Test slide - Pancreas cancer tissues  
with corresponding normal tissues**

(formalin fixed)

For research use only

**Summary of tissue spots**

No.	Coordinate	Sex	Age	Organ	Key word
1	A1	F	62	pancreas	Mucinous adenocarcinoma
2	B1	F	62	pancreas	non-neoplastic from A1
3	A2	M	64	pancreas	Mucinous adenocarcinoma
4	B2	M	64	pancreas	non-neoplastic from A2
5	A3	F	67	pancreas	Adenocarcinoma
6	B3	F	67	pancreas	non-neoplastic from A3
7	A4	M	66	pancreas	Ductal adenocarcinoma
8	B4	M	66	pancreas	non-neoplastic from A4
9	A5	F	64	pancreas	Carcinoma
10	B5	F	64	pancreas	non-neoplastic from A5
11	A6	F	44	pancreas	Adenocarcinoma
12	B6	F	44	pancreas	non-neoplastic from A6

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with corresponding normal tissues**

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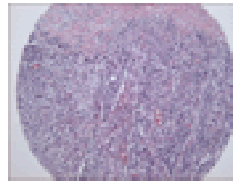
**QC sheet\_LOT#122120408051  
Hematoxylin and Eosin staining**



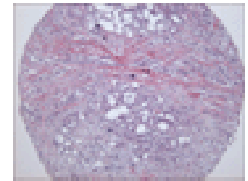
A1



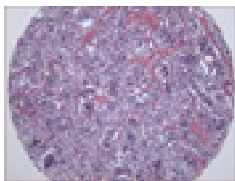
A2



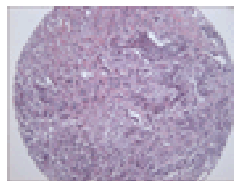
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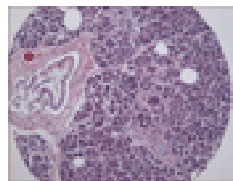
A4



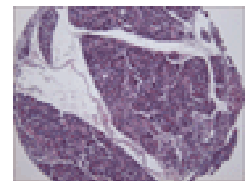
A5



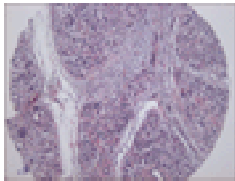
A6



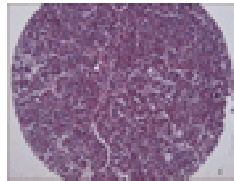
B1



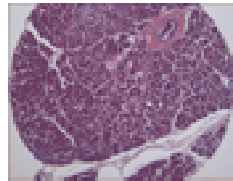
B2



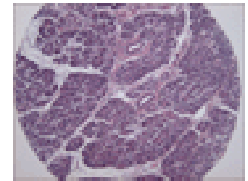
B3



B4



B5



B6

**A717: Test slide- Pancreas cancer tissues with corresponding normal tissues**

No.	Coordinate	Sex	Age	Key Word	Histological Diagnosis	
1	A,B	1	f	62	mucinous adenocarcinoma	<p>Pancreas, duodenum, common bile duct and gallbladder, whipple's operation: mucinous adenocarcinoma arising from pancreatic duct with extension to the peripancreatic soft tissue</p> <ol style="list-style-type: none"> <li>1) common bile duct: ulceration with reactive atypia probably associated with stent insertion</li> <li>2) gallbladder: chronic nonspecific inflammation</li> <li>3) resectiin margins, duodenal(proximal), jejunal(distal): free of tumor</li> <li>4) resection margin, common bile duct: presence of tumor</li> <li>5) resection margin, pancreatic: presence of tumor involving peritoneal resection margin</li> <li>6) regional lymph nodes, mesenteric(0/4), periccommon bile duct(0/4), peripancreatic(0/5), celiac axis(0/2), lymph node 8(0/1):(0/16): free of tumor in all 16 lymph nodes</li> <li>7) specimen, labelled as "portal vein": free of tumor.</li> </ol>
2	A,B	2	m	64	mucinous adenocarcinoma	<p>Duodenum, pancreas, common bile duct, gallbladder and stomach, whipple's operation:</p> <ol style="list-style-type: none"> <li>1) pancreas: mucinous adenocarcinoma of ductal type with <ul style="list-style-type: none"> <li>- extension to the duodenal wall(duodenal mucosa) and common bile duct wall</li> <li>- occasional intraductal component</li> </ul> </li> <li>2) duodenum: Brunner's gland hyperplasia</li> <li>3) gallbladder: chronic nonspecific inflammation with many Rokitansky- Aschoff sinuses</li> <li>4) resection margin: <ul style="list-style-type: none"> <li>- stomach, proximal resection margin: free of tumor</li> <li>- duodenum, distal resection margin: free fo tumor</li> <li>- pancreas: free of tumor.</li> </ul> </li> <li>5) regional lymph nodes, N3(0/0), N4(0/1), N5(0/0), N6(0/3), peri CBD(0/4), peripancreatic(0/5), mesenteric(0/5):(0/18): free of tumor in all 18 lymph nodes.</li> </ol>

**A717: Test slide- Pancreas cancer tissues with corresponding normal tissues**

No.	Coordinate	Sex	Age	Key Word	Histological Diagnosis	
3	A,B	3	f	67	adenocarcinoma	<p>Pancreas with duodenum, common bile duct, stomach, whipple's operation: adenocarcinoma, poorly differentiated, in head of pancreas with</p> <ol style="list-style-type: none"> <li>1) size: 3.5cm in the greatest diameter</li> <li>2) extension to peripancreatic soft tissue, duodenal wall, superior mesentery vein (separately submitted)</li> <li>3) frequent perineural invasion</li> <li>4) intact resection margins including proximal(stomach). distal(duodenum), pancreas and common bile duct.</li> <li>5) lymph node metastasis to 1 out of 14 lymph nodes (peripancreatic(1/6), No.3(0/1), No.4(0/0), No.5(0/1), No.6(0/0), and hepatoduodenal(0/6))</li> <li>6) stomach: multifocal atrophic gastritis with intestinal metaplasia.</li> </ol>
4	A,B	4	m	66	ductal adenocarcinoma	<p>Common bile duct, duodenum, pancreas, gallbladder and cystic duct, PPPD: ductal adenocarcinoma of pancreas, poorly differentiated with</p> <ol style="list-style-type: none"> <li>1) size: 2x1.5x1cm</li> <li>2) infiltrative growth and extension to ampulla of Vater, proper muscle layer of duodenum and periapncreatic soft tissue</li> <li>3) frequent perineural invasion</li> <li>4) intact resection margins including proximal and distal (duodenum, pancreatic, and common bile duct)</li> <li>5) no metastasis to regional lymph nodes(peripancreatic(0/1), No.8(0/2), No.12(0/4))</li> <li>6) atrophy with fatty ingrowth in pancreas</li> <li>7) gallbladder: Acute and chronic cholecystitis with focal ulceration</li> <li>8) small intestine, duodenum: free from tumor extension.</li> </ol>

**A717: Test slide- Pancreas cancer tissues with corresponding normal tissues**

No.	Coordinate	Sex	Age	Key Word	Histological Diagnosis
5	A,B	5	f	64 carcinoma	<p>Stomach, duodenum, common bile duct, gallbladder with cystic duct and pancreas, Whipple's operation:</p> <ol style="list-style-type: none"> <li>1) pancreas: endocrine carcinoma, low grade with <ul style="list-style-type: none"> <li>- size: 3x2.5x2.5cm</li> <li>- well demarcated but not encapsulated appearance (expanding growth)</li> <li>- trabecular histologic type</li> <li>- rare mitotic figure: less than 1/10HPF</li> <li>- angioinvasion</li> <li>- extension to peripancreatic soft tissue and lymph node</li> <li>- intact resection margins including proximal (stomach), distal(duodenum), common bile duct and pancreatic margin</li> <li>- free from tumor extension of all lymph nodes (peripancreatic(0/7), perigastric(0/6), periductal (0/1), and No.13(0/1))</li> </ul> </li> <li>2) gallbladder: autolysis without tumor extension.</li> <li>3) stomach: chronic atrophic gastritis with intestinal metaplasia and no extension of the tumor</li> <li>4) duodenum: free from tumor extension.</li> <li>5) results of immunohistochemical staining <ul style="list-style-type: none"> <li>- synaptophysin, chromogranin, S-100 protein: positive reaction</li> <li>- cytokeratin, insulin: negative reaction</li> <li>- glucogen: equivocal positive reaction</li> </ul> </li> </ol>

**A717: Test slide- Pancreas cancer tissues with corresponding normal tissues**

No.	Coordinate	Sex	Age	Key Word	Histological Diagnosis	
6	A,B	6	f	44	adenocarcinoma	<p>Pancreas, common bile duct, liver, gallbladder, stomach and duodenum: adenocarcinoma, moderately to poorly differentiated, in pancreas and live rwith</p> <ol style="list-style-type: none"> <li>1) size: pancreas(4x4x3.5cm) and liver(4x3.5x3.5cm)</li> <li>2) dense fibrosis and significant necrosis</li> <li>3) frequent lymphovascular and neural invasion</li> <li>4) invasion to common bile duct</li> <li>5) intact resection margins including proximal(stomach), duodenum(distal), pancreatic and hepatic</li> <li>6) dysplasia on CBD resection margin</li> <li>7) metastasis to 9 out of 26 of lymph nodes (9/26): No.3(0/0), No.4(0/4), No.6(3/13), No.8(1/4), No.12(1/1), paraaortic(1/1), peripancreatic(3/3)</li> <li>8) gallbladder: focal dysplastic change</li> <li>9) stomach and duodenum: no pathological diagnosis.</li> </ol>