

## HTL Tissue List

TISSUE	MINIMUM SIZE*	STAIN
<b>ADRENAL</b> - complete cross-section		H & E Oil red O Reticulin
<b>AMYLOID</b> - any tissue containing amyloid - block is NOT submitted - cut sections at 8-10 micrometers		Congo red
<b>APPENDIX</b> - complete cross section		H & E Fontana-Masson
<b>ARTERY</b> - complete cross section	0.5 cm (outside diameter)	H & E Verhoeff-van Gieson (VVG)
<b>BONE</b> - to include cortex and hematopoietic marrow	1 cm in length	Iron
	1.5 x 1.5 cm (square)	H & E Giemsa
<b>CEREBELLUM</b> - to include grey and white matter - cut sections at 8-10 micrometers	1.0 x 1.0 cm (square)	H & E Bielschowsky Luxol fast blue-Cresyl echt violet (LFB-CEV)
<b>CERVIX</b> - to include endocervix and ectocervix - epithelium to cover one entire surface	1.5 cm in length	H & E Alcian blue Alcian blue-Periodic Acid Schiff (AB-PAS) Colloidal iron Pan-Keratin
<b>ESOPHAGUS</b> - not autolyzed - to include all layers - epithelium to cover one entire surface	2.0 cm in length	H & E
<b>GALLBLADDER</b> - not autolyzed - to include all layers - epithelium to cover one entire surface	2.0 cm in length	H & E
<b>HEART</b> - to include either epicardium or endocardium	1.5 x 1.5 cm (square)	H & E
<b>HELICOBACTER PYLORI</b> - any tissue containing <i>H.pylori</i> - do NOT use embedded culture material - block is NOT submitted		Silver Technique
<b>KIDNEY</b> - to include cortex and medulla	1.0 x 1.0 cm (square)	H & E Periodic acid-methenamine silver (PAM)
<b>LIVER</b>	1.0 x 1.0 cm (square)	H & E Reticulin
<b>LUNG</b> - to include cartilage	1.5 x 1.5 cm (square)	H & E Colloidal iron without digestion Trichrome

<b>TISSUE</b>	<b>MINIMUM SIZE*</b>	<b>STAIN</b>
<b>MEDULLA OBLONGATA</b> - complete cross-section - to include inferior olivary nucleus - cut sections at 8-10 micrometers		H & E Bielchowsky Luxol fast blue-Cresyl echt violet (LFB-CEV)
<b>OVARY</b> - to include cortical surface along one entire side	1.0 x 1.0 cm (square)	H & E
<b>PANCREAS</b> - not autolyzed - to include islets	1.0 x 1.0 cm (square)	H & E Chromogranin
<b>PROSTATE</b>	1.0 x 1.0 cm (square)	H & E Immunoenzyme Prostate acid antigen (PSA) OR Prostate acid phosphatase (PAP)
<b>SKELETAL MUSCLE</b> - longitudinal section	1.0 x 1.0 cm (square)	H & E Phosphotungstic acid-Hematoxylin (PTAH) Trichrome
<b>SKIN</b> - epithelium to cover one entire surface	2.0 cm in length	H & E Verhoeff-van Gieson (VVG)
<b>SMALL INTESTINE</b> - not autolyzed - to include all layers - epithelium to cover one entire surface	2.0 cm length	H & E Alcian blue-Periodic acid-Schiff (AB-PAS) Colloidal iron Methyl green-pyronin Mucicarmine Immunoenzyme S-100
<b>SPIROCHETE</b> - any tissue - do NOT use embedded culture material - block is NOT submitted		Silver technique
<b>SPLEEN</b>	1.0 x 1.0 cm (square)	Naphthol AS-D chloroacetate esterase (Leder) Reticulin
<b>STOMACH</b> - not autolyzed - to include all layers - epithelium to cover one entire surface	2.0 cm in length	H & E Periodic acid-Schiff/Hematoxylin (PASH)
<b>TESTIS</b> - to include tunica albuginea and seminiferous tubules	1.0 x 1.0 cm (square)	H & E
<b>THYROID</b>	1.0 x 1.0 cm (square)	H & E
<b>TONSIL</b> - cut sections at 2-3 micrometers	1.0 x 1.0 cm (square)	H & E Immunoenzyme Leukocyte common antigen (LCA) Feulgen

TISSUE	MINIMUM SIZE*	STAIN
<b>UTERUS</b> - to include endometrium and myometrium - endometrium to cover one entire surface	1.5 x 1.5 cm (square)	H & E Trichrome

\* Please note that the minimum measurements indicated for the blocks are after processing and the stained sections are after coverslipping. When square measurements are indicated, the section must cover a square of the size indicated. All tissues submitted must exhibit positive results with the technique utilized.