Systems:	Codes:
Biliary System:	
Common Bile Duct: This duct is harvested at a length of 3 mm.	BD
Cystic Duct: This duct is harvested at a length of 1 mm.	CYD
Pancreas: One whole pancreas from one animal**.**	PAN
Duodenum: Duodenum portion of the small intestine with or without intact mesentery. Contents are rinsed out with water and the tissue measures 12" in length.	DU
Liver with Gall Bladder: Liver with gall bladder and bile. Bile duct is tied off to retain the bile.	LVGB
Liver with Hepatic Artery: Liver with hepatic artery attached. The artery is not dissected.	LVHA
Liver with Hepatic Portal Vein: Liver with approximately 1" of hepatic portal vein attached.	LVHPA
Liver without Gall Bladder	LVWOGB
Gall Bladder: Harvested from the liver. It is optional to ligate the biliary duct to retain the bile in the bladder.	GB
Circulatory System:	
Cardiac Tissues:	
Heart: Heart without pericardium attached and 1-2" of the primary vessels attached.	HT
Heart with Thoracic Aorta: Heart without pericardium and 1-2" of the primary vessels attached. The entire thoracic aorta (~14") is attached.	HTAT
Heart with Pericardium attached: 1-2" of the primary vascularity attached.	HTPC
Heart Lung Block: Heart with pericardium, lungs, esophagus, trachea, and larynx.	HTLB
Heart Lung Block with Pleural Membrane: Heart with pericardium, lungs with intact pleural membrane (a few nicks may exist in the pleural membrane), esophagus, trachea, and larynx.	HTLBPM
Cardiac Vascularity:	
Aorta – whole: The portion of the aorta from the attachment point of the left ventricle to the diaphragm. Measures approx. 10" in length and 25 mm round	AW
Carotid Arteries 3-7 mm. Round: Carotid arteries that measure 3 mm at the cranial end and up to 7 mm at the caudal end with a round diameter measurement of the inner lumen. Each vessel is approximately 4" in length and is skeletonized unless specified.	CA37R
Carotids Arteries 3-7 mm. Flat: Carotid arteries that measure 3 mm at the cranial end and up to 7 mm at the caudal end with a flattened diameter measurement of the inner lumen. Each vessel is approximately 4" in length and is skeletonized unless specified.	CA37F

Carotid Arteries 4-6 mm. Round: Carotid arteries that measure 4 mm at the cranial end and up to 6 mm at the caudal end with a round diameter measurement of the inner lumen. Each vessel is approximately 4" in length and is skeletonized unless specified.	CA46R
Carotid Arteries 4-6 mm. Flat: Carotid arteries that measure 4 mm at the cranial end and up to 6 mm. at the caudal end with a flattened diameter measurement of the inner lumen. Each vessel is approximately 4" in length and is skeletonized unless specified.	CA46F
Carotid Arteries 6-8 mm. Round: Carotid arteries that measure 6 mm at the cranial end and up to 8 mm at the caudal end with a round diameter measurement of the inner lumen. Each vessel is approximately 4" in length and is skeletonized unless specified.	CA68R
Carotid Arteries 6-8 mm. Flat: Carotid arteries that measure 6 mm at the cranial end and up to 8 mm. at the caudal end with a flattened diameter measurement of the inner lumen. Each vessel is approximately 4" in length and is skeletonized unless specified.	CA68F
Carotid Arteries at Custom Length: Carotids are specially harvested at a client specified inner lumen diameter (3-7 mm, 4-6 mm. or 6-8 mm.) (round or flat measurement) and a specific length of the artery other than the standard 4".	CACL
Costocervical Arteries: Skeletonized unless specified. They are a diameter of 1-2mm in measurement of the inner lumen and approximately 4" in length.	CCA
Hepatic Artery: The common hepatic artery is skeletonized unless specified. The harvested length measures approx. 2.5". The artery measures 6 mm inner lumen diameter at the aorta and 2 mm inner lumen diameter at the distal end.	HPA
Hepatic Portal Vein: This vein measures 2" in harvested length. It is 20 mm inner lumen diameter for it's entire harvested length.	HPV
Jugular Vein: The exterior jugular vein is approximately 3" in harvested length, and 10 mm in inner lumen round diameter.	JV
Jugular Vein Interior: The interior jugular vein is approximately 3" in harvested length and ~ 5 mm in inner lumen round diameter.	JVI
Pulmonary Arteries: These arteries include the pulmonary trunk (16 mm inner lumen diameter) and the left (11 mm inner lumen diameter) and right (8 mm inner lumen diameter) pulmonary arteries as they enter the lungs. The harvested length is approximately 2 ½ " long.	PA
Pulmonary Veins: These veins measure 10 mm inner lumen diameter on the left vein and are 6 mm inner lumen diameter on the right vein as they enter the lungs. They are harvested at 2" in length.	PV
Thyrocervical Artery: The thyrocervical artery measures approximately 2 mm. in flattened diameter and is 2" in harvested length.	TYCA
Thyrocervical Vein: The thyrocervical vein measures approximately 2 mm. in flattened diameter and is 2" in harvested length.	TYCV
Inferior Vena Cava: This tissue is harvested at approximately 4" in length and a diameter of 25 mm.	VCW

Gastric Vascularity:	
Gastropiploic Artery: This vessel is skeletonized unless specified. It measures 1-2 mm in diameter and is approximately 4" in length. This vessel exhibits a great deal of branching.	GPA
Gastropiploic Vein: This vessel is skeletonized unless specified. It measures 1-2 mm in diameter and is approximately 4" in length. This vessel exhibits a great deal of branching.	GPV
Splenic Vascularity:	
Spleen with both Cranial and Caudal bundles: This includes the spleen with the cranial and caudal bundles attached, which are comprised of the artery, vein and nerve bundle within the myelin sheath.	SPCCVB
Spleen with Cranial Artery: The spleen with the cranial artery attached. This artery measures 3" in length and has an inner round lumen measurement of 2 mm. The artery is skeletonized.	SPCRAWSP
Spleen with Cranial Vein: The spleen with the cranial vein attached. This vein measures 3" in length and has an inner flat lumen measurement of 2 mm. The vein is skeletonized.	SPCRVWSP
Splenic Vascular Bundle: Choose the cranial or caudal vascular bundle. Each bundle includes the splenic artery and vein and nerve within the myelin sheath.	SPVB
Splenic Cranial Vein: This vein is approximately 3" in length with an inner round lumen measurement of 1 mm. This artery is skeletonized.	SPCRV
Splenic Cranial Artery: This artery is approximately 3" in length with an inner round lumen measurement of 2 mm. This artery is skeletonized.	SPCRA
Splenic Caudal Artery: The spleen with the caudal splenic artery attached. The artery measures 3" in length and has an inner round lumen measurement of 2 mm.	SPCUA
Splenic Caudal Vein: The spleen with the caudal splenic vein attached. The vein measures 3" in length and has an inner flat lumen measurement of 1 mm.	SPCUV
Blood and Body Fluids:	
Bile: Sold by the liter (smaller amounts can be requested).	BI
Urine: This fluid is collected as a standard of 500 ml. Any amount can be specified. Urine is harvested from males.	URI
Vitreous Humor: Fluid harvested per eye.	VH
Direct Draw Donor Blood	
Blood K3 EDTA: **50 ml.** of direct draw porcine donor, collected blood in K3 EDTA	BLDKE50
Blood K3 EDTA: **100 ml.** of direct draw porcine donor, collected blood in K3 EDTA	BLDKE100

Blood K3 EDTA: 250 ml. of direct draw porcine donor, collected blood in K3 EDTA	BLDKE250
Blood NA EDTA: 50 ml. of direct draw porcine donor, collected blood in NA EDTA	BLDNAE50
Blood NA EDTA: 100 ml. of direct draw porcine donor, collected blood in NA EDTA	BLDNAE100
Blood NA EDTA: 250 ml. of direct draw porcine donor, collected blood in NA EDTA	BLDNAE250
Blood Na Citrate: 50 ml. of direct draw porcine donor, collected blood in Na Citrate	BLDNAC50
Blood Na Citrate: 100 ml. of direct draw porcine donor, collected blood in Na Citrate	BLDNAC100
Blood Na Citrate: 250 ml. of direct draw porcine donor, collected blood in Na Citrate	BLDNAC250
Blood Na Heparin: 50 ml. of direct draw porcine donor, collected blood in Na Heparin	BLDNAH50
Blood Na Heparin: 100 ml. of direct draw porcine donor, collected blood in Na Heparin	BLDNAH100
Blood Na Heparin: 250 ml. of direct draw porcine donor, collected blood in Na Heparin	BLDNAH250
Abattoir Donor Blood	
Blood K3 EDTA: **50 ml**. of abattoir porcine donor, collected blood in K3 EDTA	BLAKE50
Blood K3 EDTA: **100 ml.** of abattoir porcine donor, collected blood in K3 EDTA	BLAKE100
Blood K3 EDTA: **250 ml.** of abattoir porcine donor, collected blood in K3 EDTA	BLAKE250
Blood K3 EDTA: **500 ml**. of abattoir porcine donor, collected blood in K3 EDTA	BLAKE500
Blood K3 EDTA 1000 ml. of abattoir porcine donor, collected blood in K3 EDTA	BLAE1000
Blood NA EDTA: 50 ml. of abattoir porcine donor, collected blood in NA EDTA	BLANAE50
Blood NA EDTA: 100 ml. of abattoir porcine donor, collected blood in NA EDTA	BLANAE100
Blood NA EDTA: 250 ml. of abattoir porcine donor, collected blood in NA EDTA	BLANAE250
Blood NA EDTA: 500 ml. of abattoir porcine donor, collected blood in Na EDTA	BLANAE500

Blood Na Citrate: 50 ml. of abattoir porcine donor, collected blood in Na Citrate	BLANAC50
Blood Na Citrate: 100 ml. of abattoir porcine donor, collected blood in Na Citrate	BLANAC100
Blood Na Citrate: 250 ml. of abattoir porcine donor, collected blood in Na Citrate	BLANAC250
Blood Na Citrate: 500 ml. of abattoir porcine donor, collected blood in Na Citrate	BLANAC500
Blood Na Heparin: 50 ml. of abattoir porcine donor, collected blood in Na Heparin	BLANAH500
Blood Na Heparin: 100 ml. of abattoir porcine donor, collected blood in Na Heparin	BLANAH100
Blood Na Heparin: 250 ml. of abattoir porcine donor, collected blood in Na Heparin	BLANAH250
Blood Na Heparin: 500 ml. of abattoir porcine donor, collected blood in Na Heparin	BLANAH500
Blood Whole: 250 ml. of abattoir porcine donor, collected whole blood. No anticoagulant.	BLAB250W
Blood 1000 ml. of abattoir porcine donor, collected as whole blood or with an anticoagulant.	BLALITER
Digestive System:	
Large Intestinal Tissues:	
Colon Descending: The descending portion of the colon without the rectum or anus attached. Some connective tissue is attached unless specified. The tissue measures approximately 24" in length with the contents of the colon rinsed out with water.	CD
Colon Descending with Rectum and Anus: The descending colon with the rectum and anus attached. Some connective tissue is attached unless specified. The tissue measures approximately 30" in length with the contents of the colon rinsed out with water.	CDRA
Colon with Ileum, Rectum and Anus: The entire colon with 12" of the ileum, ileocecal junction, rectum and anus attached. Some connective tissue is attached unless specified. The tissue measures approximately 14' in length with the contents of the colon rinsed out with water. Mesentery is not intact on the ileum.	CRAI
Ileocecal Junction: Included are the ileum, ileocecal junction, and cecum	ICJ
Large Intestine/Colon: This tissue is cut into quarters in order to rinse the contents out with water. The mesentery is intact.	LIR
Large Intestine not rinsed: Contents not rinsed out. This tissue is in coil form.	LINR

Rectum: This tissue is approximately 4” in length. There will be minimal connective tissue attached unless specified. The contents are rinsed out with water.	REC
Rectum with Anus: This tissue is approximately 4” in length. The contents of the rectum are rinsed out with water.	RECA
Small Intestinal Tissues:	
Duodenum: Duodenum portion of the small intestine with or without intact mesentery. Contents are rinsed out with water and the tissue measures 12” in length.	DU
Duodenum with Pancreas: Duodenum portion of the small intestine with pancreas gland and mesentery intact. The contents of the duodenum is rinsed out with water. The tissue measures 12” in length however it is in coiled form.	DUP
Ileum: This tissue is without mesentery and measures 12” in length. Contents rinsed out with water.	IL
Ileum with Mesentery: This tissue is coiled within mesentery and measures 12” in coiled length. Contents rinsed out with water.	ILM
Ileocecal Junction: Included are the ileum, ileocecal junction, and cecum.	ICJ
Jejunum without Mesentery: The jejunum with the mesentery stripped off it. The length is approximately 40’ in length and the contents are rinsed out with water.	JWOMES
Jejunum with Mesentery Quartered: Jejunum with its mesentery intact, cut into quarters and the contents rinsed out with water. Each quarter measures approximately 10” coiled.	JWMES14
Jejunum with Mesentery Thirds: Jejunum with its mesentery intact, cut into thirds and the contents rinsed out with water. Each 1/3 measures approximately 13” coiled.	JWMES13
Mesentery: Mesentery manually separated from the small intestine.	MES
Small Intestine with Mesentery: This tissue which measures approximately 42’, is cut into quarters and the contents are rinsed out with water. Each quarter of tissue is approximately 1’ in coiled length.	SIWMES14
Small Intestine with Mesentery: This tissue which measures approximately 42’ is cut into thirds and the contents are rinsed out with water. Each 1/3 of this tissue is 14’ in coiled length.	SIWMES13
Small Intestine without Mesentery: This tissue includes a continuous length of Duodenum (12”), Jejunum (40”), and Ileum (12”). The contents are rinsed out with water and the mesentery is removed so it is one straight length of intestinal tissue.	SIWOM
Hepatic Tissues:	
Common Bile Duct: This duct measures 5 mm inner lumen flat diemeter and is harvested at 4 inches long.	BD

Cystic Duct: This duct is 1 mm in inner lumen round diameter and is harvested at 1 inch long.	CYD
Liver with Gall Bladder: Liver with gall bladder and bile. Bile duct is tied off to retain the bile.	LVGB
Liver with Hepatic Artery: Liver with hepatic artery attached. The artery is not dissected.	LVHA
Liver with Hepatic Portal Vein: Liver with approximately 1" of hepatic portal vein attached.	LVHPA
Liver without Gall Bladder	LVWOGB
Gall Bladder: Harvested from the liver. It is optional to ligate the biliary duct to retain the bile in the bladder.	GB
Gastric Tissues:	
Epiglottis: The epiglottal portion of the larynx is harvested.	EG
Esophagus: Full length of esophagus (~ 18 ") from the larynx to the stomach at the lower esophageal sphincter.	ES
Biliary System Block: A tissue block comprised of the stomach, omentum, liver, gall bladder, pancreas, duodenum, and 12" of the jejunum with mesentery intact.	BSB
Omentum: The greater omentum from one stomach.	OM
Parotid Gland: Both left and right parotid glands are harvested.	PG
Pancreas: One whole pancreas from one animal.	PAN
Stomach: The stomach without omentum. The contents are rinsed out with water through the sphincters, or through an incision on the lesser curvature of the stomach which must be specified when ordered.	ST
Stomach from a specific sex animal: The stomach without omentum that has been harvested from a pig of a specified sex. The contents are rinsed out with water through the sphincters, or through an incision on the lesser curvature of the stomach which must be specified when ordered.	STSS
Stomach with Duodenum: The stomach without omentum with the duodenum attached. The mesentery is removed from the duodenum. The contents are rinsed out with water through the sphincters, or through an incision on the lesser curvature of the stomach which must be specified when ordered.	STDU
Stomach with Esophagus: The stomach without omentum with the esophagus (18" in length) attached. The contents are rinsed out with water through the sphincters, or through an incision on the lesser curvature of the stomach which must be specified when ordered.	STES
Stomach with Esophagus and Duodenum: The stomach without omentum with the esophagus (18") and duodenum (12") attached. The contents are rinsed out with water through the sphincters, or through an incision on the lesser curvature of the stomach which must be specified when ordered.	STESDU

Stomach with Esophagus and Spleen: The stomach without omentum with the esophagus (18”) and the spleen attached with the cranial and caudal splenic vascular bundles attached. The contents are rinsed out with water through the sphincters, or through an incision on the lesser curvature of the stomach which must be specified when ordered.	STESSP
Stomach with Duodenum and Jejunum: The stomach without omentum with the duodenum (12”) and the jejunum (40’) attached. The jejunum can be cut to any specified length. The mesentery is removed. The contents are rinsed out with water through the sphincters, or through an incision on the lesser curvature of the stomach which must be specified when ordered.	STDUJ
Stomach with Omentum: The stomach with greater omentum attached. The contents are rinsed out with water through the sphincters, or through an incision on the lesser curvature of the stomach which must be specified when ordered.	STOM
Stomach with Omentum and Esophagus: The stomach with the esophagus (12”) and the greater omentum attached. The contents are rinsed out with water through the sphincters, or through an incision on the lesser curvature of the stomach which must be specified when ordered.	STEOM
Stomach with Liver and Gall Bladder: The stomach with the liver and the gall bladder attached. The bile duct can be tied off to retain the bile if desired. The contents are rinsed out with water through the sphincters, or through an incision on the lesser curvature of the stomach which must be specified when ordered.	STLVGB
Stomach with Gastropiploic Artery and Omentum: The stomach with the greater omentum and skeletonized gastroepiploic artery.	STGPAOM
Sublingual Gland: Both right and left sublingual glands are harvested.	SLG
Tonsil Pair: Pharyngeal tonsils left and right.	TNS
Tongue: The entire tongue is harvested up to the base. There is no extra muscle attached.	TON
Upper Gastric Block: This tissue block is comprised of the stomach (contents rinsed out with water), the liver and gall bladder (with or without bile retained), pancreas and duodenum with mesentery (12” coiled length).	UGIP
Fluids Tissues:	
Bile: Sold by the liter (smaller amounts can be requested).	BI
Endocrine System	
Adrenal Glands: Both right and left adrenal glands are harvested**.**	AG
Pancreas: One whole pancreas from one animal.	PAN
Thyroid Gland: The left lobe of the thyroid gland is harvested.	THYG
Integumentary System:	

Arterial Trimmings: Connective tissue in loose pieces. Each portion is the size of a small zip lock bag.	ART
Body wall (flank): This tissue includes all tissues from the epidermis to the peritoneum. The sheet of tissue is harvested from dorsal to ventral and from scapula to pelvis. Included are the epidermis, dermis, adipose, fascia, and muscle. The tissue sheet measures approximately 12”x 20” and is approximately 1” thick.	BW
Body Wall Cut: This tissue is the same description as the body wall except for it being cut into smaller custom sized pieces as per client specifications.	BWC
Adipose: Abdominal adipose which measures a ball shape with an approximate diameter of 6” in measurement.	FA
Skin: Epidermal and dermal layers mechanically removed. The sheet of skin measures 10” x 20”. Keep in mind the animal goes through a brief scalding water bath after euthanasia to remove the hair from the skin.	SK
Lymphatic System:	
Lymph Nodes: Mesenteric lymph nodes (30 count per group) or specified single lymph nodes throughout the body as specified.	LNM
Spleen: This is the spleen without any vascular attachments.	SP
Spleen with both Cranial and Caudal Bundles: This includes the spleen with the cranial and caudal bundles attached, which are comprised of the artery, vein, and nerve bundle within the myelin sheath.	SPCCVB
Splenic Vascular Bundle: Choose the cranial or caudal vascular bundle. Each bundle includes the splenic artery and vein and nerve within the myelin sheath.	SPVB
Splenic Cranial Artery: This artery is approximately 3” in length with an inner round lumen measurement of 2 mm. This artery is skeletonized.	SPCRA
Spleen with Cranial Artery: The spleen with the cranial artery attached. This artery measures 3” in length and has an inner round lumen measurement of 2 mm. The artery is skeletonized.	SPCRA
Spleen with Cranial Vein: The spleen with the cranial vein attached. This vein measures 3” in length and has an inner flat lumen measurement of 1 mm. The vein is skeletonized.	SPCRV
Splenic Caudal Artery: The spleen with the caudal splenic artery attached. The artery measures 3” in length and has an inner round lumen measurement of 2 mm.	SPCUA
Splenic Caudal Vein: The spleen with the caudal splenic vein attached. The vein measures 3” in length and has an inner flat lumen measurement of 1 mm.	SPCUV

Spleen, Liver, Gall Bladder, Stomach Tissue Block: This tissue block is comprised of the spleen, cranial and caudal vascular bundles, liver with gall bladder and bile, and the stomach with omentum. The contents are rinsed out with water through the sphincters, or through an incision on the lesser curvature of the stomach which must be specified when ordered.	SPLVGBST
Spleen with Caudal Vascular Bundle: The spleen with the caudal vascular bundle attached which includes the caudal splenic artery, vein, and nerve within the myelin sheath.	SPCVVB
Thoracic Lymphatic Duct: This vessel is harvested at a length of 5" and has an inner lumen round diameter of 1 mm.	TLD
Musculoskeletal System:	
Bone Tissues:	
Acetabulum: A portion of the pelvis with the full acetabular socket and labrum attached.	ACT
Humerus: This bone is harvested fully intact. One per harvest.	HUM
Fibula: This bone is harvested fully intact one per harvest.	FIB
Patella: This sesamoid bone measures 2.2 cm in thickness and the cartilage measures 5 mm in thickness. The patellar and quadricep tendons are attached.	PA
Front feet: The front foot of the pig that includes the skin, muscle, and phalanges.	FF
Femur: Femur bone with all condyles attached. Muscle tissue is dissected away from the bone unless specified.	FEM
Head: The head with or without ears and eyes attached. Skin and muscle are attached.	HD
Skull: Skull with brain intact. The muscle and skin are removed. The mandible is removed.	SKL
Legs Front: Full front legs including ulna and radius (both cut just above the carpals), carpals, metacarpals, phalanges. Skin and muscle attached.	LF
Legs Hind: Includes the tibia and fibulas (both cut just above the tarsals), tarsals, metatarsals, and phalanges with muscle and skin attached.	LHHH
Lumbar Spine: Lumbar vertebrae L1-L5 cut in half on the sagittal plane. This tissue consists of ½ spine. The vertebral discs (1/2s) are in place. The spinal cord is not part of this tissue.	LBVRT
Thoracic Vertebrae: The thoracic spine (T1-T12) is cut on the sagittal plane and the spinal cord is removed. The vertebral disc is in place (again with the sagittal cut). This tissue provides ½ of the vertebral column.	THVRT
Rib Section: Includes ribs with a cut through the vertebral column and the sternum on the sagittal plane, intercostal muscles, and costal cartilage. T-1 – T12.	RB

Rib Section with Body Wall attached: The ribs T1-T12 with a sagittal cut through the sternum and vertebral column, intercostal muscles, and costal cartilage all covered with the skin, muscle, fat, and fascia.	RBWBW
Tongue: The entire tongue is harvested up to the base. There is no extra muscle attached.	TON
Mandible: This is a custom harvest which means the skin and muscle are optional. The molars are intact as is the gingiva.	MAN
Scapula: One piece.	SCA
Stifle Joint: Included in this tissue is the femur (which is cut mid shaft), the tibia and fibula (which are cut mid shaft of both bones), the patella, and meniscus pairs as well as all the ligaments within the joint. The muscle and skin are attached.	STFL
Stifle Joint - Dissected: Included are the femur, tibia and fibula (all of which are cut mid-shaft), the patella and meniscus pairs, and the ligaments involved in the joint. The skin and muscle have been dissected away to reveal the joint.	STFLD
Tibia with Condyles: This bone is harvested with the condyles attached.	TIBC
Tibia without Condyles: This bone is harvested without the condyles. It is cut just below them.	TIBCR
Muscle Tissues:	
Body wall (flank): This tissue includes all tissues from the epidermis to the peritoneum. The sheet of tissue is harvested from dorsal to ventral and from scapula to pelvis. Included are the epidermis, dermis, fat, fascia, and muscle. The tissue sheet measures approximately 12”x 20” and is approximately 1” thick.	BW
Body Wall Cut: This tissue is the same description as the body wall except for it being cut into smaller custom sized pieces as per client specifications.	BWC
Diaphragm: Full diaphragm with openings of aorta hiatus, esophageal hiatus, and caval opening present. There is a cut opening in the frontal portion of the diaphragm which makes the tissue in the shape of a “C”.	DIA
Longissimus Muscle: This muscle is also known as the loin and is harvested as a single.	LM
Skeletal Muscle: Clients may specify which skeletal muscle they prefer. All are available.	SKM
Cartilage Tissues:	
Costal Cartilage: Harvested from the ribcage (1/2 of rib cage) between the ribs and the sternum.	CC
Ear: Individual ear with skin attached. Tissue will be free of hair and may have ear notches used for identification. The ear is harvested at the base of the pina just before it meets the head.	EAR
Fibrocartilage: Harvested from the spinal column or the stifle joint.	FBC
Meniscus: Medial and lateral meniscus of the stifle joint.	MEN

Nasal Septum: Harvested measurement is 4 inches long, 1 mm thick, and 25 mm wide	NS
Tendon/ Ligament Tissues:	
Achilles Tendon: This tendon is harvested at a length of 5” and has an inner lumen round diameter of 1 mm.	TNA
Extensor Tendon: This digital extensor tendon is harvested from the front leg of the pig and has a harvested width of 1” and length of 2”.	TNE
Flexor Tendon: This digital flexor tendon is harvested from the front leg of the pig and has a harvested length of 1” and a round diameter of ½”.	TNF
Nervous System:	
Brain Whole: All hemispheres of the brain with the absence of the dura mater.	BRW
Brain Cut in half: All hemispheres of the brain intact with a complete cut through the sagittal plane.	BRC
Head: The head with or without ears and eyes attached. Skin and muscle is attached.	HD
Skull: Skull with brain intact. The muscle and skin are removed. The mandible is removed.	SKL
Spinal Cord: The spinal cord is removed from the vertebral column when the column is cut on the sagittal plane. The harvested tissue measures approximately 12” in length.	SC
Reproductive System:	
Female:	
Fallopian Tubes: Both right and left fallopian tubes from the uterus.	FT
Gyn Block: Included in this block is the uterus, ovaries, fallopian tubes, broad ligament and cervix.	GYNB
Gyn Block with Urinary System attached: Included in this block is the uterus, ovaries, fallopian tubes, broad ligament, cervix, urinary bladder, ureters, and urethra.	GYNBUSA
Ovaries: Sold as a pair.	OV
Uterus: The uterine horns and broad ligament. This does not include the ovaries and fallopian tubes. (See the Gyn Block for an all-inclusive uterine block.)	UT
Placental Membrane: This tissue is harvested fresh from a sow that has farrowed at our swine farm. It weighs approximately 5-7 lbs. and includes all the amniotic sacs and umbilical cords. Placental membranes are rinsed with distilled water after harvest and bagged into poly bags with client-supplied or -specified media.	PM

Umbilical Cord: These tissues are harvested from births of pigs on our farm. The number of umbilical cords that are harvested per placenta is dependent on the number of pigs born to that sow. Each umbilical cord is harvested at approximately 6" in length. Typically a minimum of 8-10 piglets are born per litter.	UMB
Amniotic Sacs: These tissues are harvested from births of pigs on our farm. There are approximatly 8-10 piglets born per litter and the number of amniotic sacs is dependent on the number of piglets in the litter. Each sac is approximately 375 square cm. (measuring a harvest size of 25 cm x 15 cm per sac). Sacs are rinsed with distilled water and placed into individual bags with client-supplied or -specified media.	AS
Male	
Prostate Gland: Prostate from one animal.	PG
Respiratory System:	
Heart Lung Block: Heart with pericardium, lungs, esophagus, trachea, and larynx.	HTLB
Heart Lung Block with Pleural Membrane: Heart with pericardium, lungs with intact pleural membrane (a few nicks may exist in the pleural membrane), esophagus, trachea, and larynx.	HTLBPM
Lung Set: Lung set with trachea and larynx attached.	LUS
Lung Set with Pleural Membrane: Lung set with pleural membrane intact. Some small cuts will be present in the membrane. Trachea and larynx are attached.	LUSPM
Trachea to the Primary Bifurcation: The trachea with the larynx and the primary bifurcation (each bronchus measures 3-4” in length). The lung tissue is removed.	TR1
Trachea to the Secondary Bifurcations: The trachea with the larynx and the primary and secondary bifurcations with lung tissue removed. The harvested secondary bronchus measure approximately 1”.	TR2
Trachea to Primary Bifurcation with Esophagus: The trachea with the larynx and esophagus attached is harvested down to the primary bifurcation of the bronchus.	TR1ES
Sensory Organs:	
Ear: Individual ear with skin attached. Tissue will be free of hair, and may have ear notches used for identification. The ear is harvested at the base of the pina just before it meets the head.	EAR
Eye: Individual eyeball with ½” of optic nerve attached. The eye color will vary unless specified. The tissue is packaged in a poly bag without solution unless specified.	EY
Eye in Saline: Individual eyeball with ½” of optic nerve attached. The eye color may vary unless specified. Tissue is placed in a plastic container with lid in saline as a preservative solution.	EYS

Eye with Eyelid: Individual eyeball with ½" of optic nerve attached. The eyelid and surrounding skin are attached to this tissue. The eye color may vary unless specified. The tissue is packaged in a poly bag without solution unless specified. The attached skin piece is oval in shape and measures approximately 4" in diameter at the largest angle.	EYL
Skin: Epidermal and dermal layers mechanically removed. The sheet of skin measures 10" x 20". Keep in mind the animal goes through a brief scalding water bath after euthanasia to remove the hair from the skin.	SK
Tongue: The entire tongue is harvested up to the base. There is no extra muscle attached.	TON
Tissue Blocks:	
Biliary System Block: A tissue block comprised of the stomach, omentum, liver, gall bladder, pancreas, duodenum, and 12" of the jejunum with mesentery intact.	BSB
Gyn Block: Included in this block is the uterus, ovaries, fallopian tubes, broad ligament, and cervix.	GYNB
Gyn Block with Urinary system attached: Included in this block is the uterus, ovaries, fallopian tubes, broad ligament, cervix, urinary bladder, ureters, and urethra.	GYNBUSA
Heart Lung Block: Heart with pericardium, lungs, esophagus, trachea, and larynx.	HTLB
Heart Lung Block with pleural membrane: Heart with pericardium, lungs with intact pleural membrane (a few nicks may exist in the pleural membrane), esophagus, trachea, and larynx.	HTLBPM
Renal Artery Block - Dissected and packed in adipose: Right and left kidneys attached to the abdominal aorta with both renal arteries. This block is dissected/skeletonized and then wrapped in adipose to retain moisture to the tissues.	RABDA
Renal Urinary Block: Right and left kidneys, renal arteries, and veins attached to the aorta and vena cava, urethra, urinary bladder and ureters. All tissues are in an intact tissue block.	RUB
Renal Urinary Block without the venous system: Right and left kidneys with each renal artery attached to the abdominal aorta, urethra, urinary bladder, and ureters. All tissues are in an intact tissue block.	RUBNV
Spleen, Liver, Gall Bladder, Stomach Block: This tissue block is comprised of the spleen,cranial and caudal vascular bundles, liver with gall bladder and bile, and the stomach with omentum. The contents are rinsed out with water through the sphincters, or through an incision on the lesser curvature of the stomach which must be specified when ordered.	SPLVGBST
Urinary Bladder Block: This tissue block includes the urinary bladder, both ureters, urethra, and optional prostate. Specify the sex of the animal.	UBT

Upper Gastric Block: This tissue block is comprised of the stomach (contents rinsed out with water), the liver and gall bladder (with or without bile retained), pancreas, and duodenum with mesentery (12” coiled length).	UGIP
Urinary System:	
Kidney: Single kidney without vascularity. (1/2” of renal artery attached.)	KP
Renal Arteries: Right and left individual renal arteries.	RA
Renal Arteries with Abdominal Aorta: Right and left renal arteries attached to the abdominal aorta which is approximately 2” in harvested length. All are skeletonized.	RAAA
Renal Veins with Vena Cava: Right and left renal veins attached to 2” of harvested length of the vena cava. All are skeletonized.	RVVC
Renal Urinary Block: Right and left kidneys, renal arteries, and veins attached to the aorta and vena cava, urethra, urinary bladder, and ureters. All tissues are in an intact tissue block.	RUB
Renal Urinary Block without the Venous System: Right and left kidneys with each renal artery attached to the abdominal aorta, urethra, urinary bladder, and ureters. All tissues are in an intact tissue block.	RUBNV
Renal Vascular Complex: Right and left kidneys with their renal arteries attached to the abdominal aorta and their renal veins attached to the vena cava. Dissected/skeletonized.	RVC
Renal Vascular Complex - Not dissected: Right and left kidneys with their renal arteries attached to the abdominal aorta and their renal veins attached to the vena cava. This block is not dissected/skeletonized.	RVCND
Renal Artery Block - Dissected and packed in adipose: Right and left kidneys attached to the abdominal aorta with both renal arteries. This block is dissected/skeletonized and then wrapped in adipose to retain moisture to the tissues.	RABDA
Ureters: Both ureters harvested in full length (9”).	URET
Urinary Bladder: The bladder itself without any attachments.	UB
Urinary Bladder Block: This tissue block includes the urinary bladder, both ureters, urethra, and optional prostate. Specify the sex of the animal.	UBT
Urinary Bladder with Prostate: The urinary bladder with urethra and prostate.	UBP
Urine: This fluid is collected as a standard of 500 ml. Any amount can be specified. Urine is harvested from males.	URI