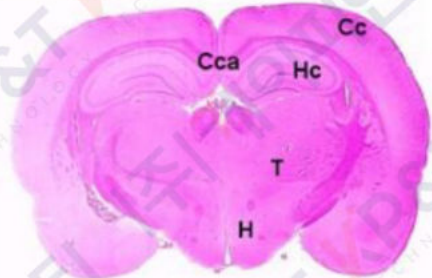
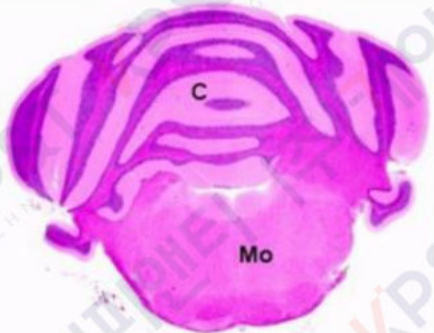


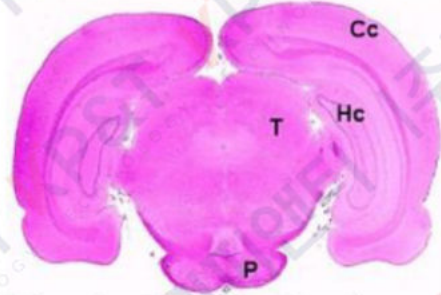
Brain, localization 1, cerebrum.



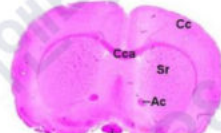
Brain, localization 2, cerebrum.



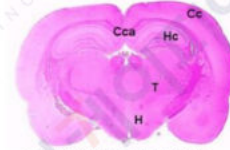
Brain, localization 3, cerebellum and medulla oblongata.



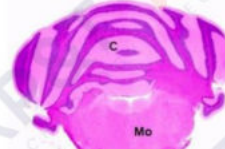
Brain, optional localization 4, cerebrum and pons.



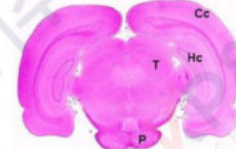
Brain, localization 1, cerebrum.



Brain, localization 2, cerebrum.



Brain, localization 3, cerebellum and medulla oblongata.



Brain, optional localization 4, cerebrum and pons.

Brain

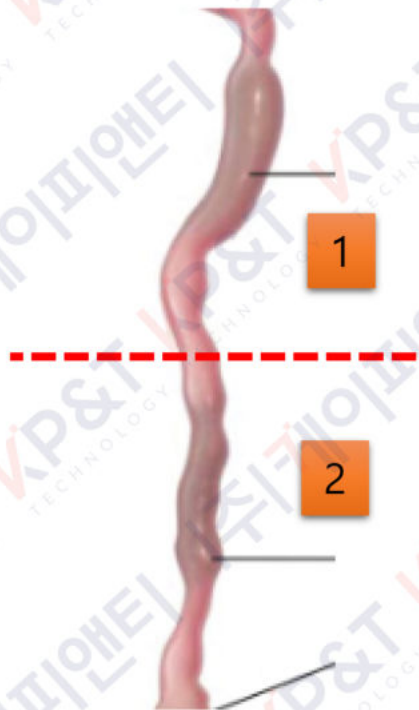
H&E

Brain

H&E

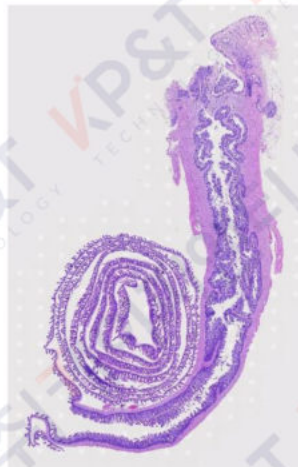
Brain

- 목표 검체제작 부위에 따라 제작
- Ac: anterior commissure, C: cerebellum, Cc: cerebral cortex, Cca: corpus callosum, H: hypothalamus, Hc: hippocampus, Mo: medulla oblongata, O: optic chiasm, P: pons, Sr: striatum, T: thalamus.



Colon

- 용모를 관찰할 수 있도록 Cross Section 및 Longitudinal Section으로 제작

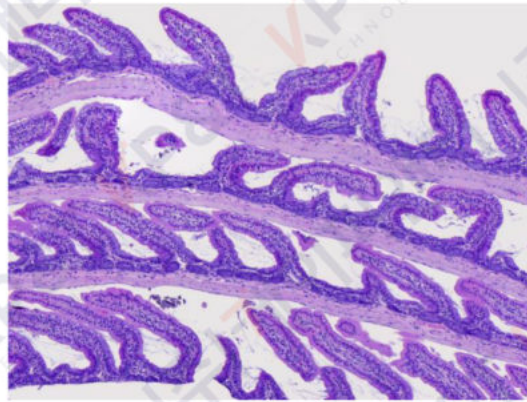
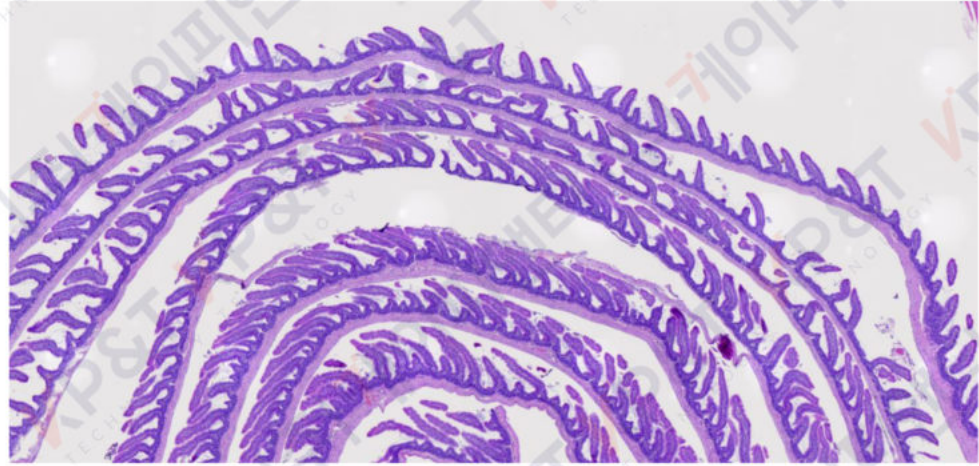


Intestine

H&E

Swiss Roll 제작

- 제작 방법: 고정이 완전히 이루어지기 전 Swiss Roll로 제작



Large Intestine 슬라이드 스캔 이미지

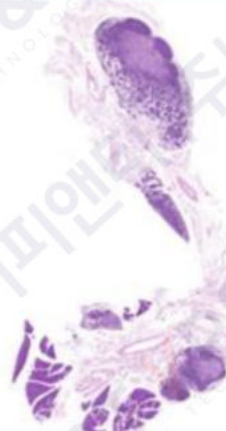


Pancreas



Appendix

Rectum



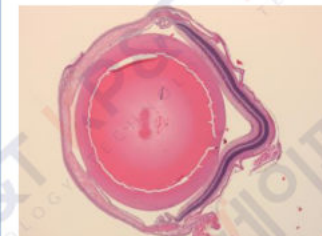
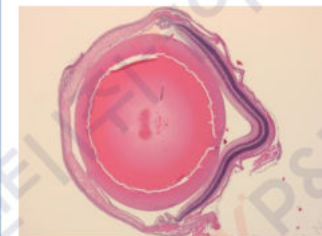
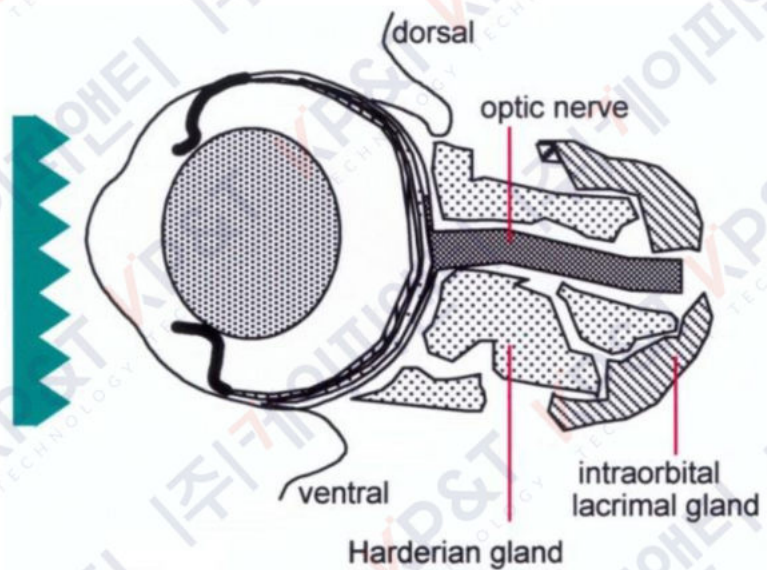
Mesenteric lymph node



Colon

Large Intestine

- 각 위치가 포함될 수 있도록 제작

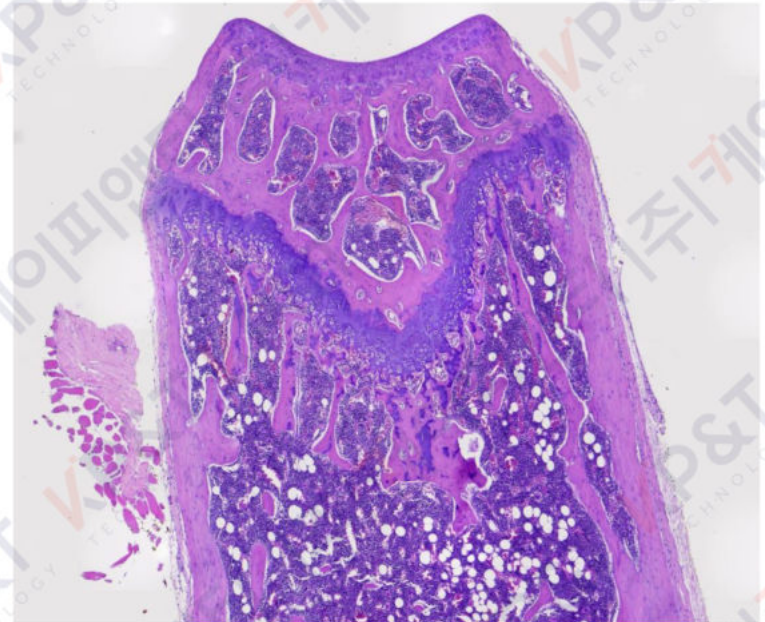
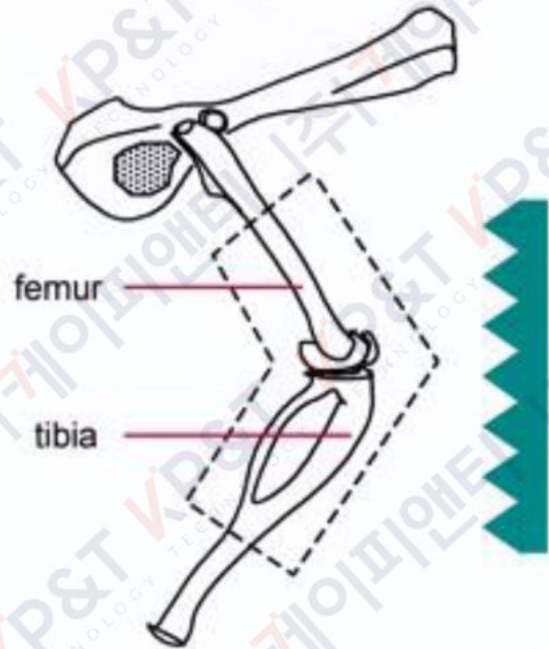
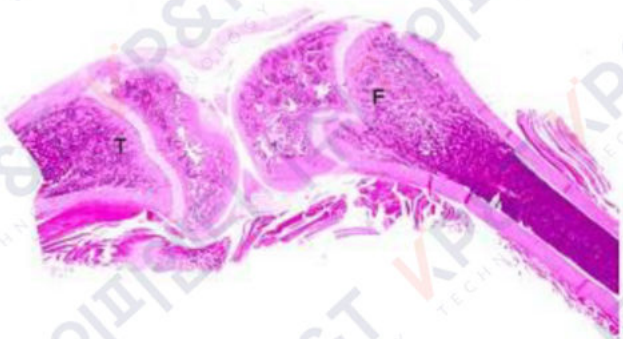


Eye

H&E

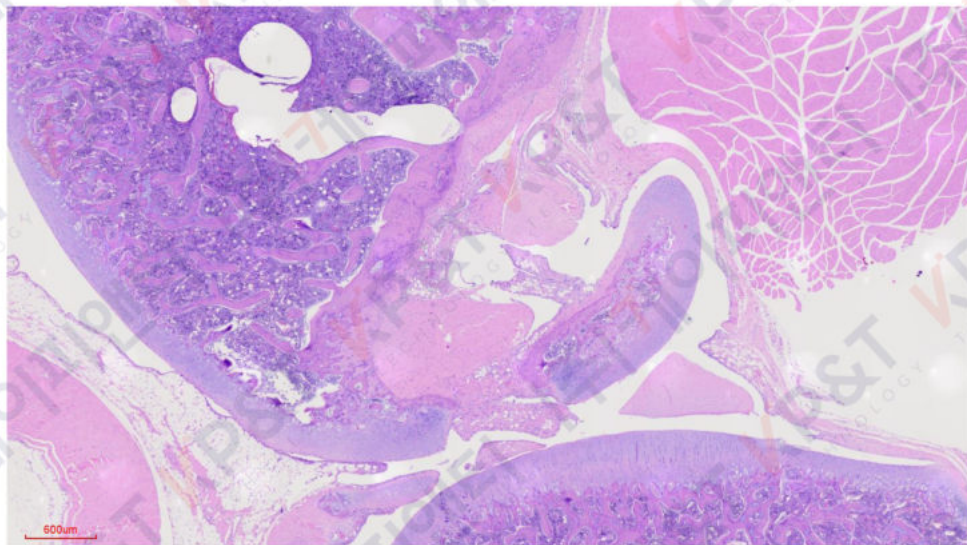
Eye

- 안구 전체를 관찰할 수 있도록 시신경을 포함하여 제작
- David's 및 Bouin's 고정액 사용

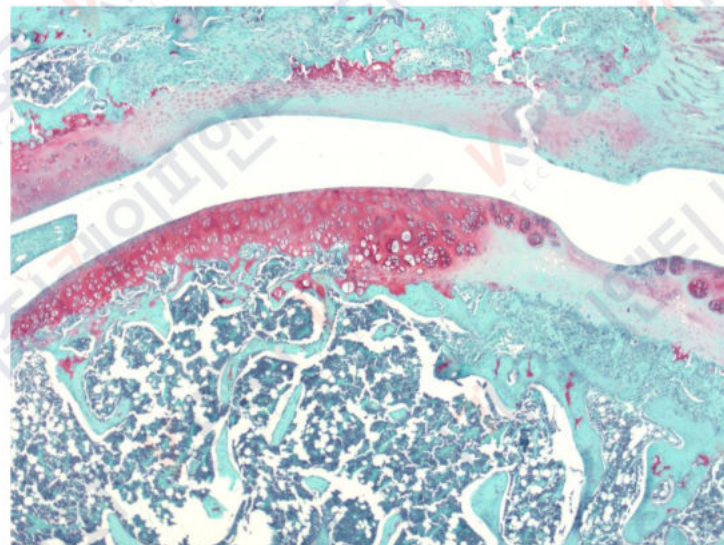


Joint(Femur & Tibia)

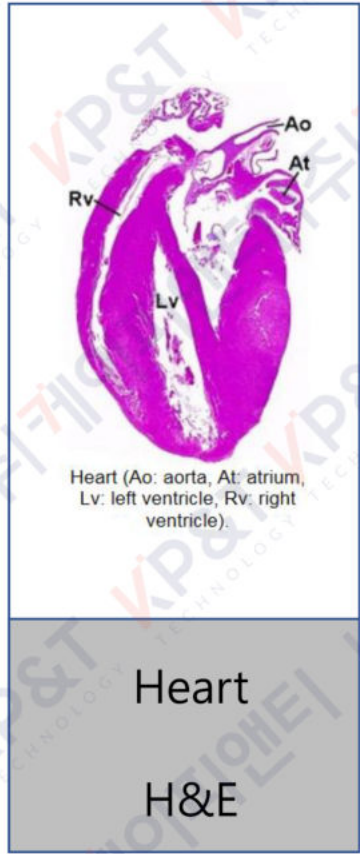
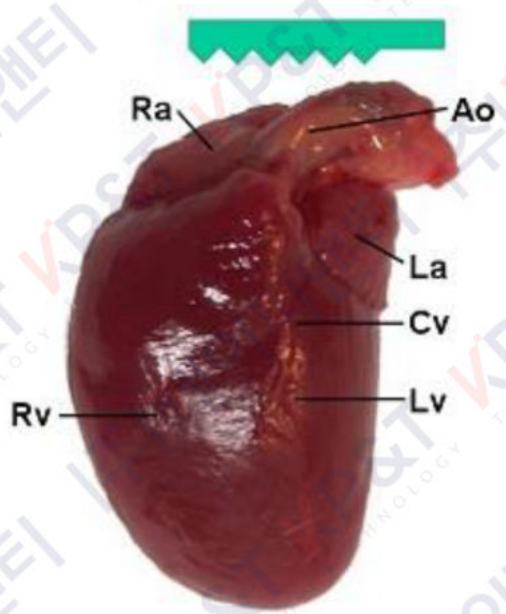
관절 및 연골이 관찰되도록 제작



H&E stain

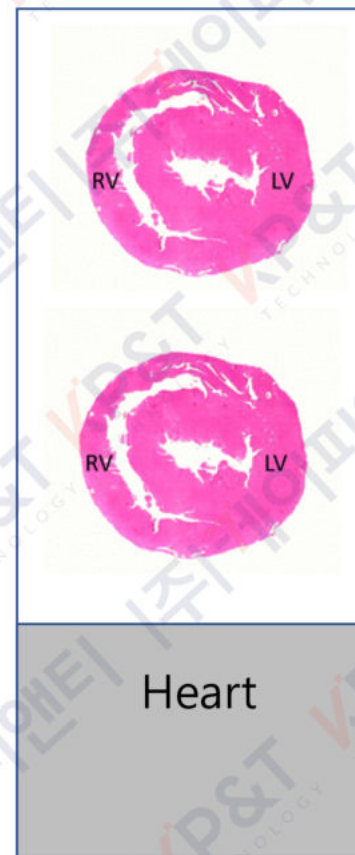
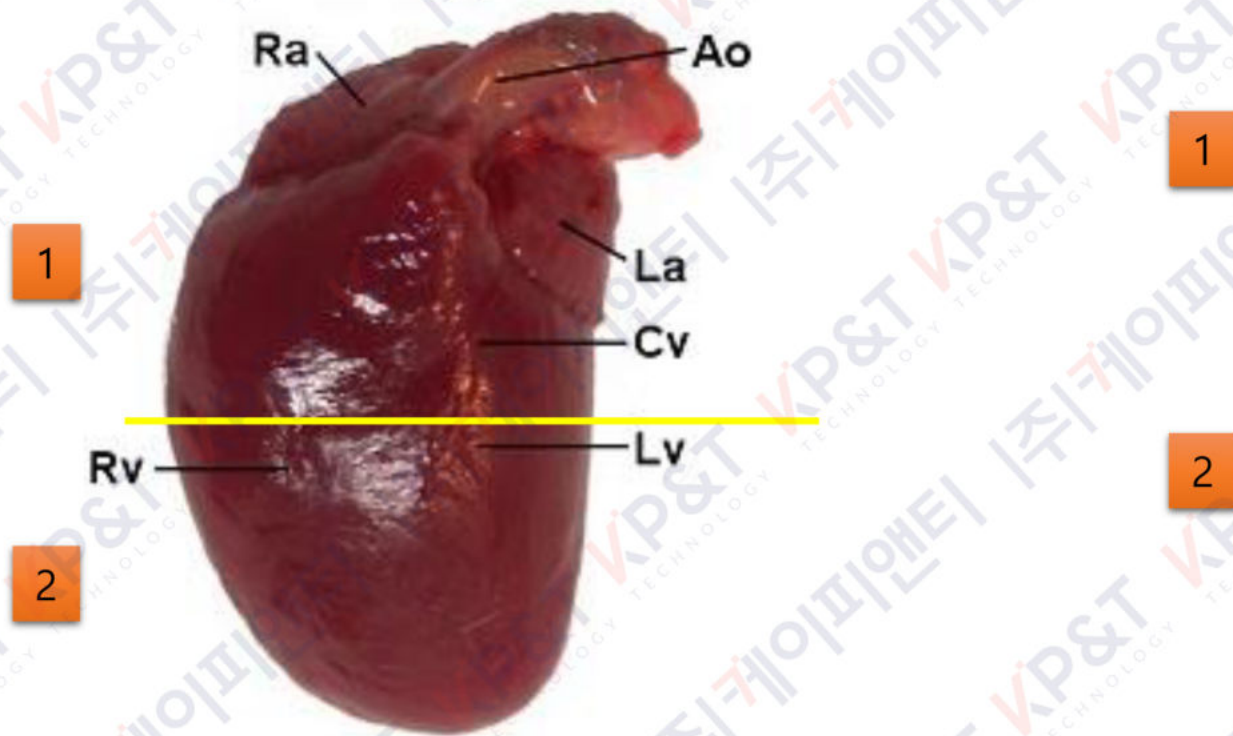


Safranin O stain

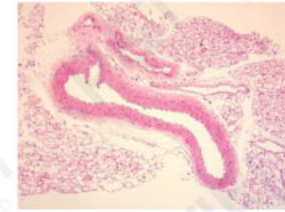
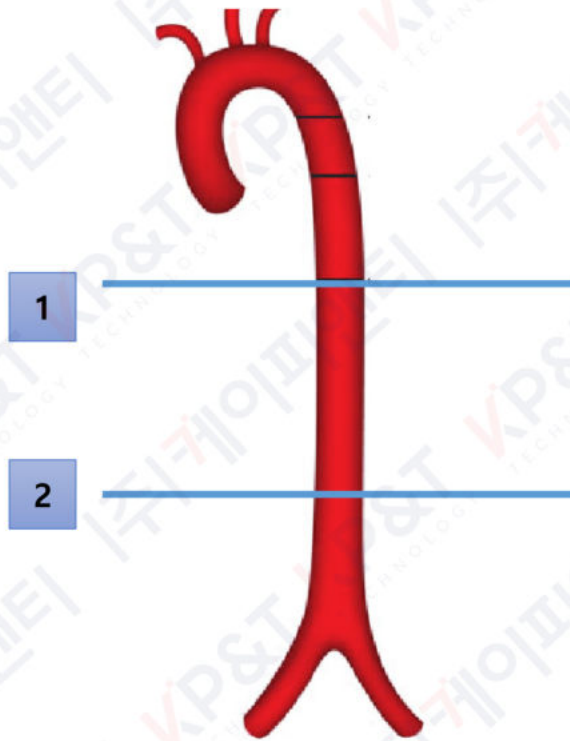


Heart

- 좌심실, 우심실, 중격, 심이가 모두 나오도록 Coronal Section으로 제작



중앙을 자른 후 1번, 2번 위치를 하나의 블록에 제작



1



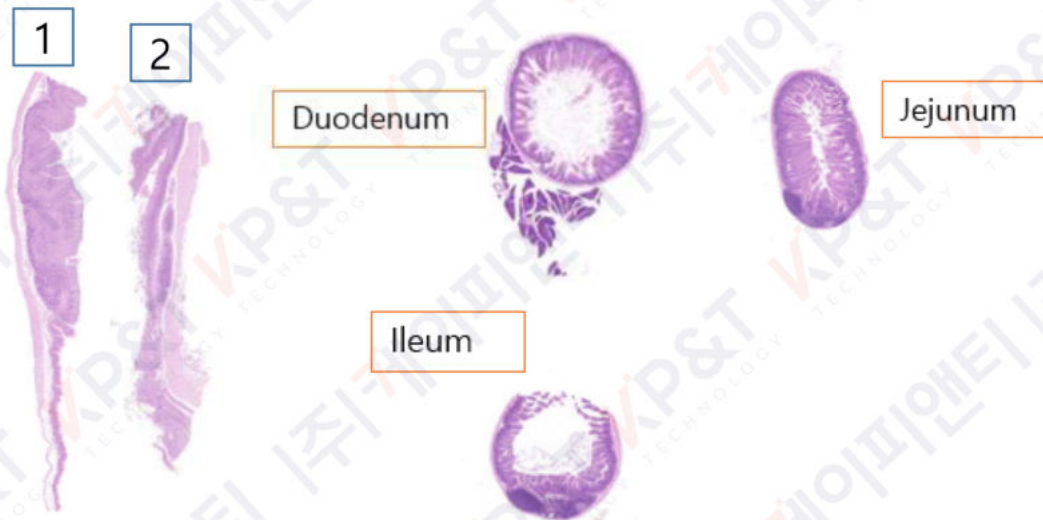
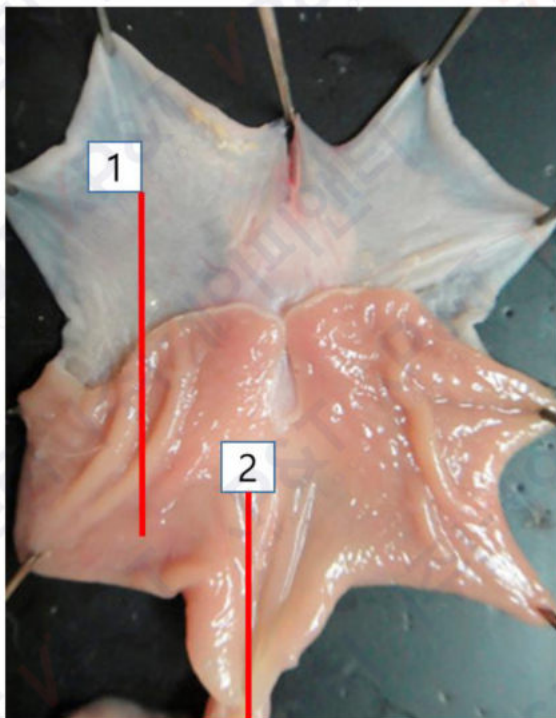
2

Aorta

H&E

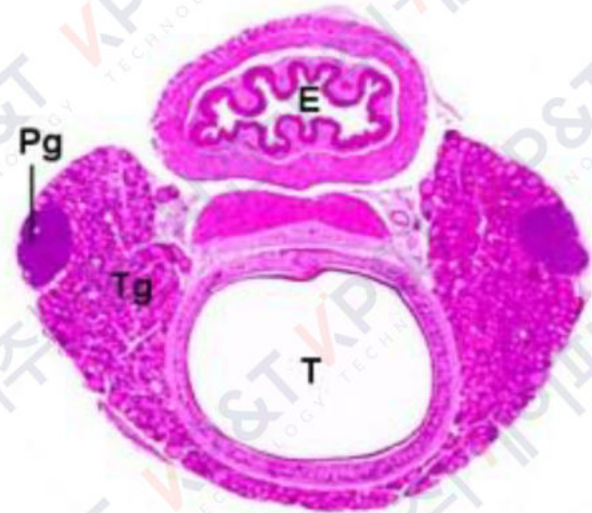
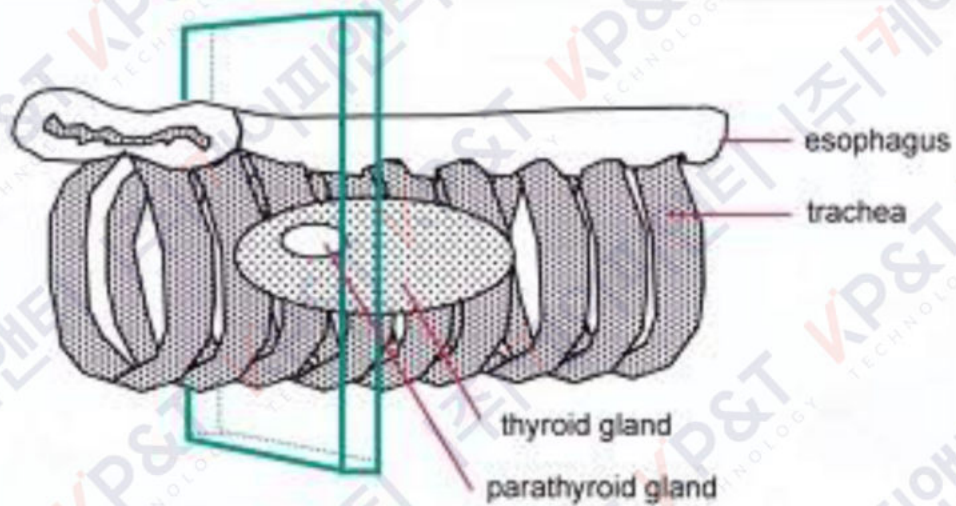
Aorta

- 시험 부위 2부분을 Cross Section으로 하나의 블록에 제작



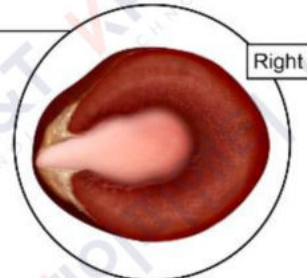
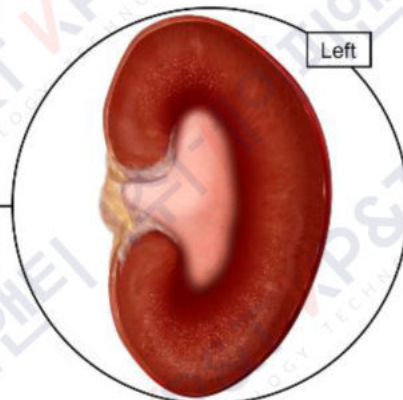
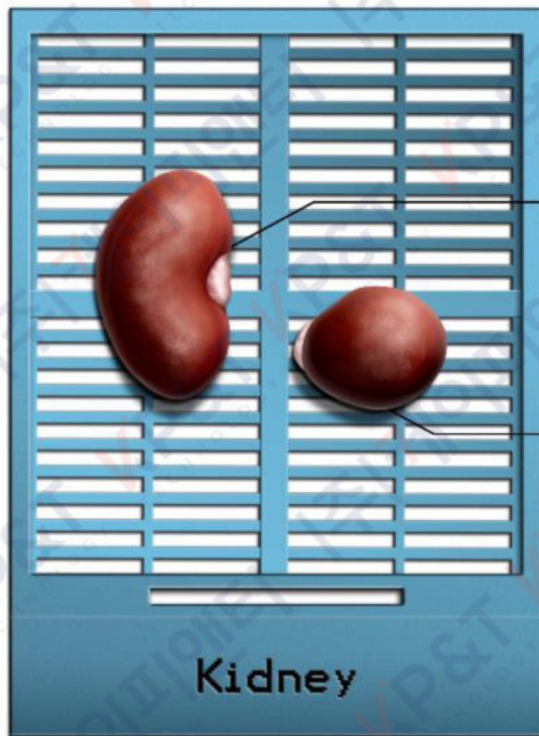
Stomach + Small Intestine

- Forestomach, Gastric fundus를 포함하여 각 위치를 제작



Esophagus

- 형태를 관찰할 수 있도록 Cross Section

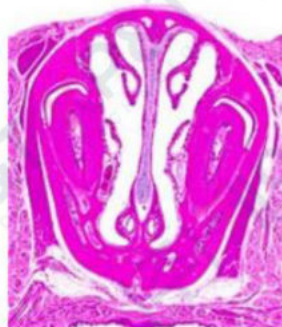
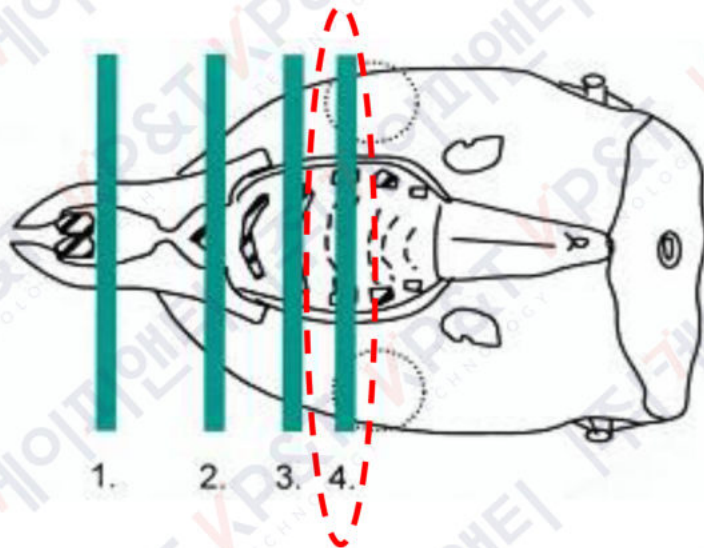


cut surface faces
down in cassette

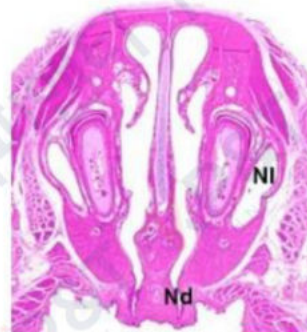


kidney

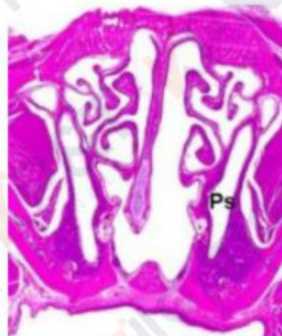
- 수질과 피질을 확인할 수 있도록 Cross, Longitudinal 단면으로 제작



Nasal cavity, rat, location 1.



Nasal cavity, rat, location 2.
Nd: nasopalatine (incisive) duct
NI: nasolacrimal duct.



Nasal cavity, rat, location 3.
Ps: paranasal sinus.



Nasal cavity, rat, location 4.
Pd: pharyngeal duct (nasopharynx).

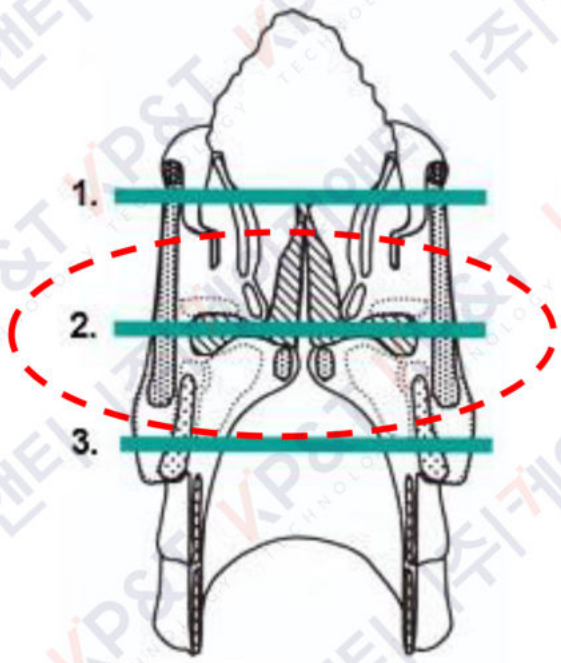


Nasal

L4

Nasal Cavity

- Level 4 부분을 제작



Larynx
H&E



Larynx, level 1.
Sg: seromucinous glands
at the base of the
epiglottis.



Larynx, level 2. Vp: ventral pouch,
A: processes of the arytenoid
cartilages, U: u-shaped cartilage.

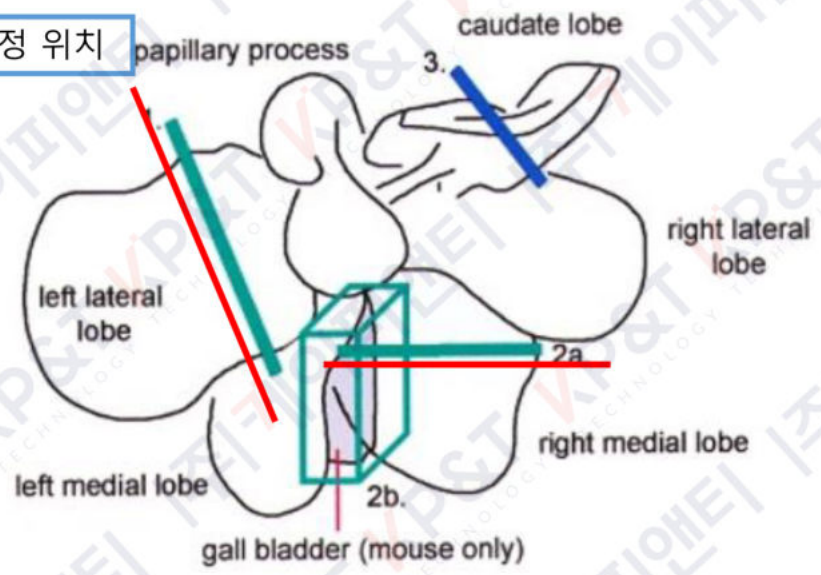


Larynx, level 3. C: cricoid cartilage.

Larynx

- Ventral pouch, Arytenoid Cartilages를 관찰할 수 있도록
Level 2 제작

삭정 위치



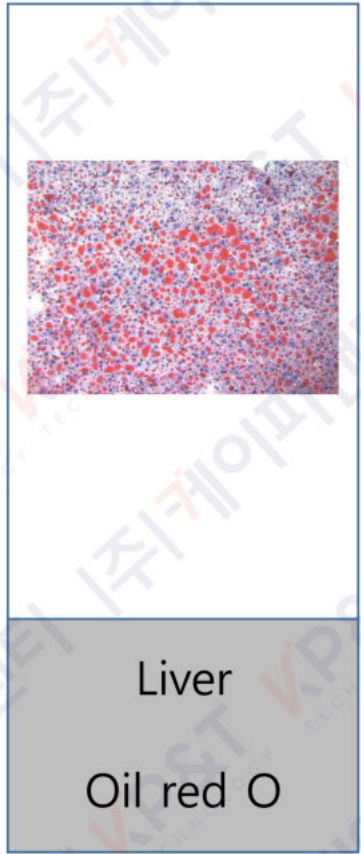
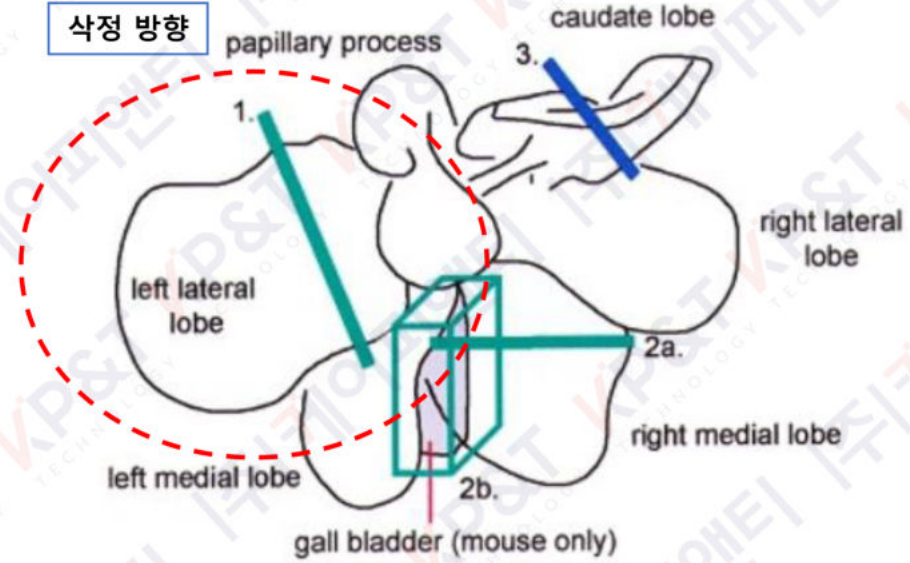
Liver

- 간 문맥을 관찰할 수 있도록 좌엽 및 중간엽 일부분을 하나의 블록에 제작

Liver

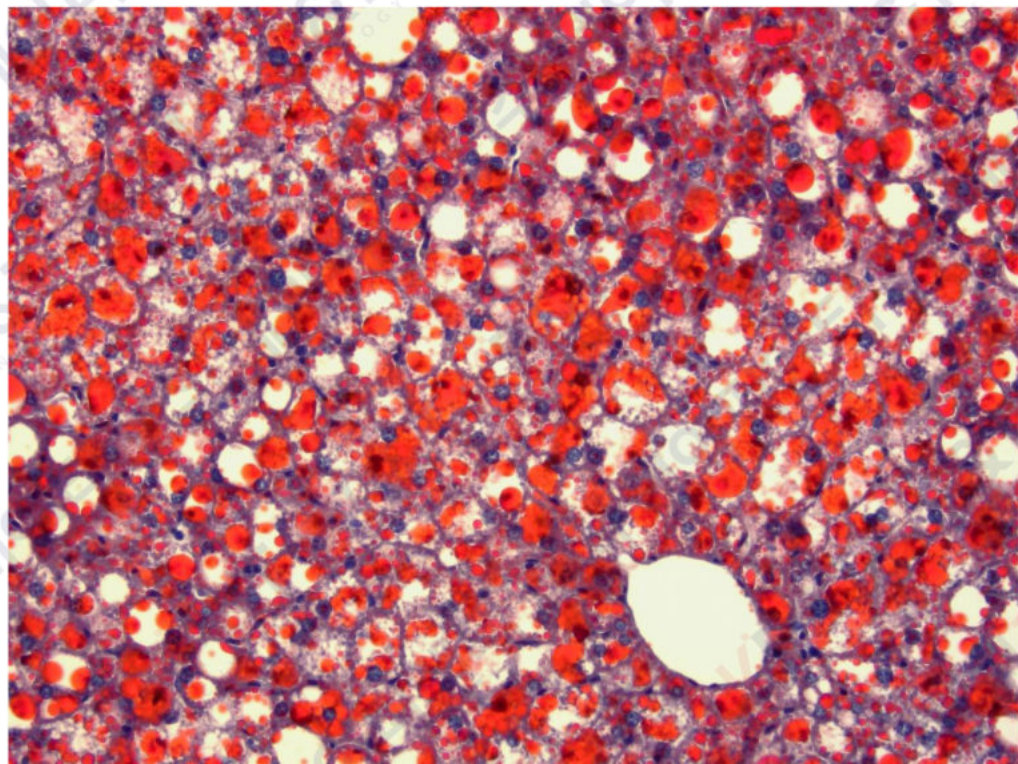
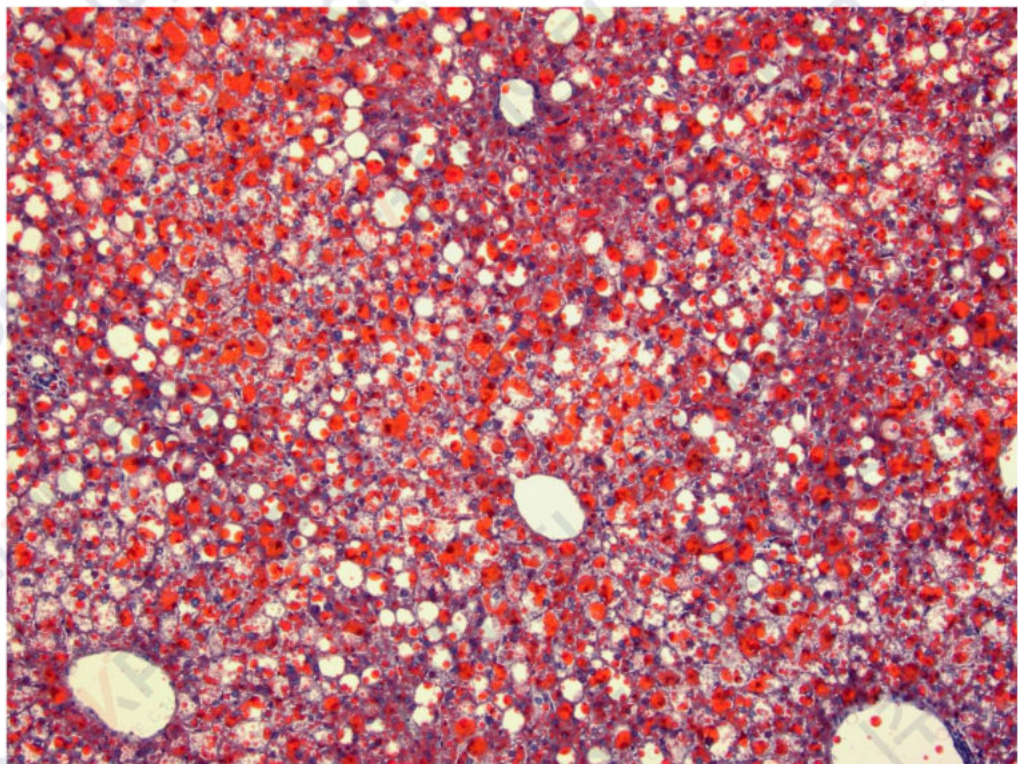
H&E

색정 방향

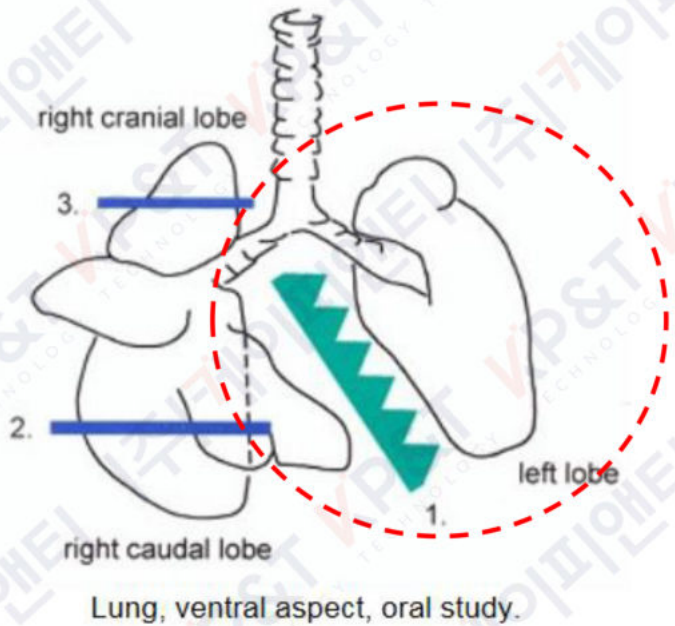


Liver Oil red O stain 제작 방법

- 색정: 좌엽을 간문맥을 중심으로 색정
- 10% NBF에 고정된 조직을 30% Sucrose 처리
- 동결블록(Cryoblock) 제작 후 박절하여 Oil red O stain 진행

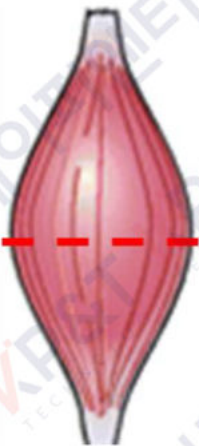


Oil red O stain 염색 결과



Lung

- 좌엽을 기관지를 볼 수 있도록 그대로 포매



Muscle

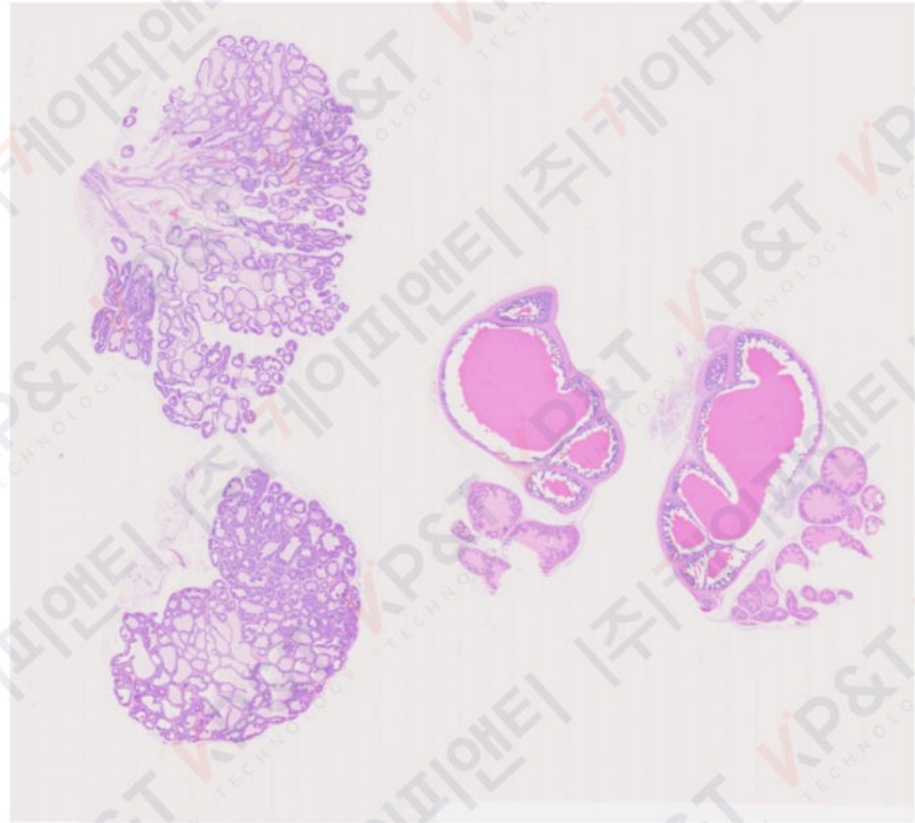
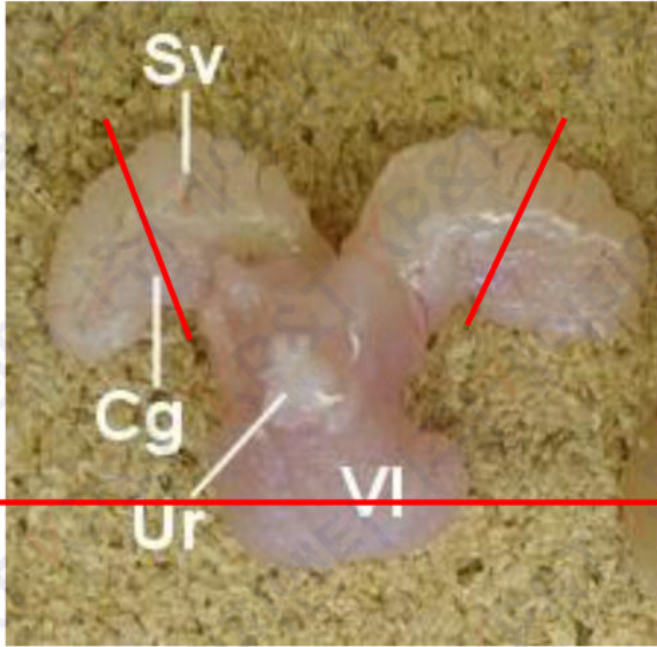
근육이 Ring 형태로 보이도록 Cross Section



Muscle

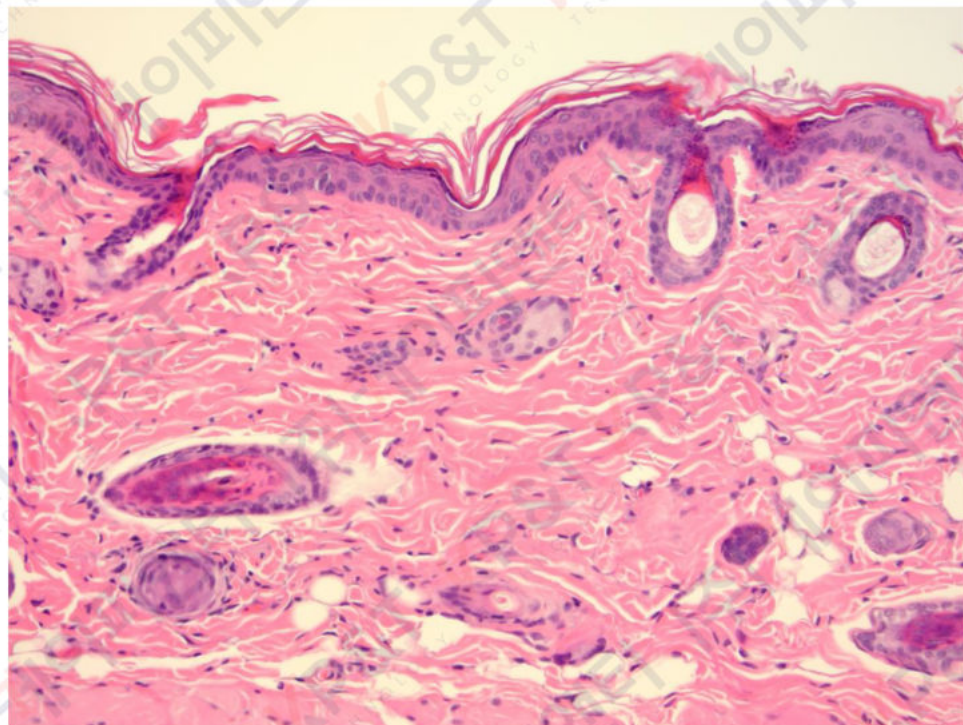
H&E





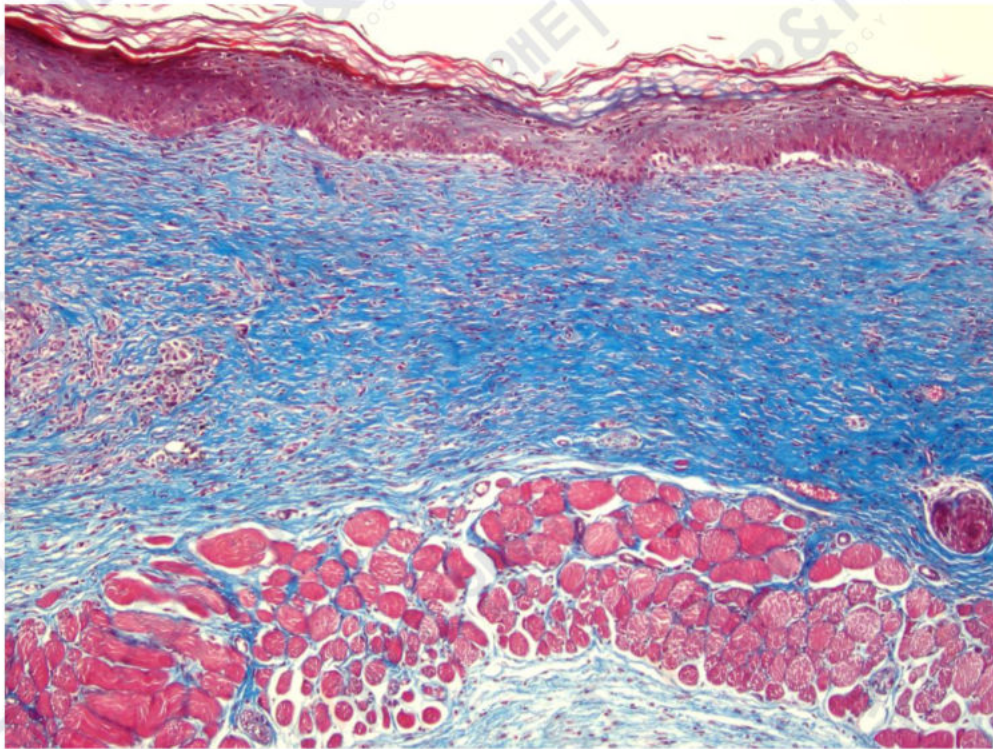
Prostate, Seminal Vesicle

- Prostate: Cross Section
- Seminal Vesicle: Cross Section

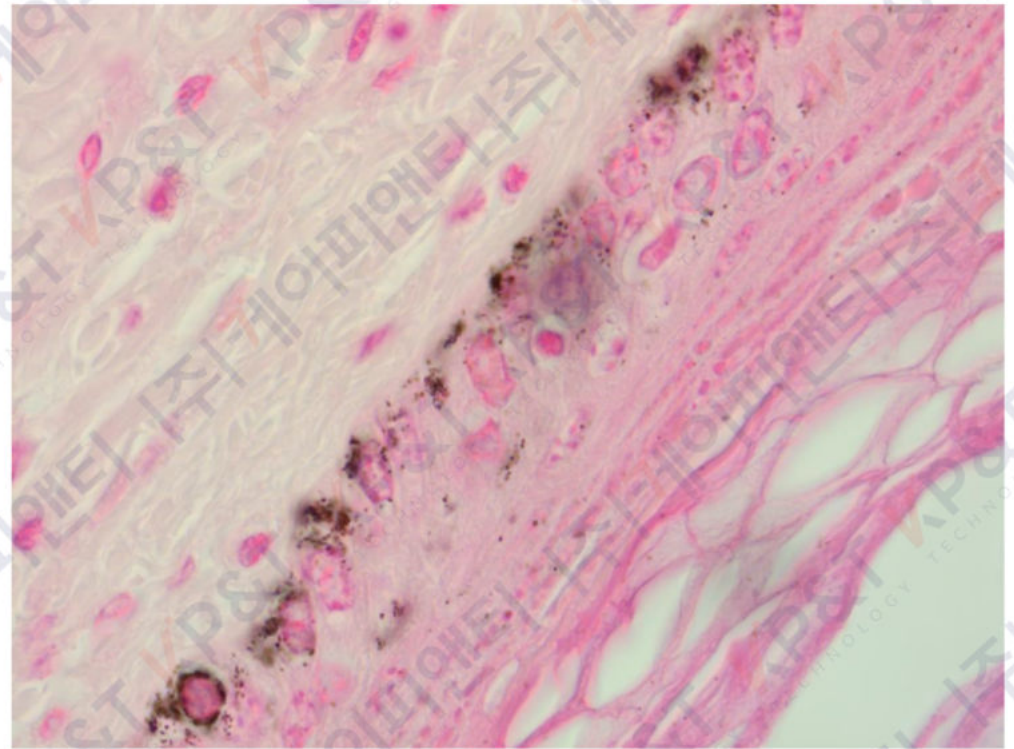


Skin

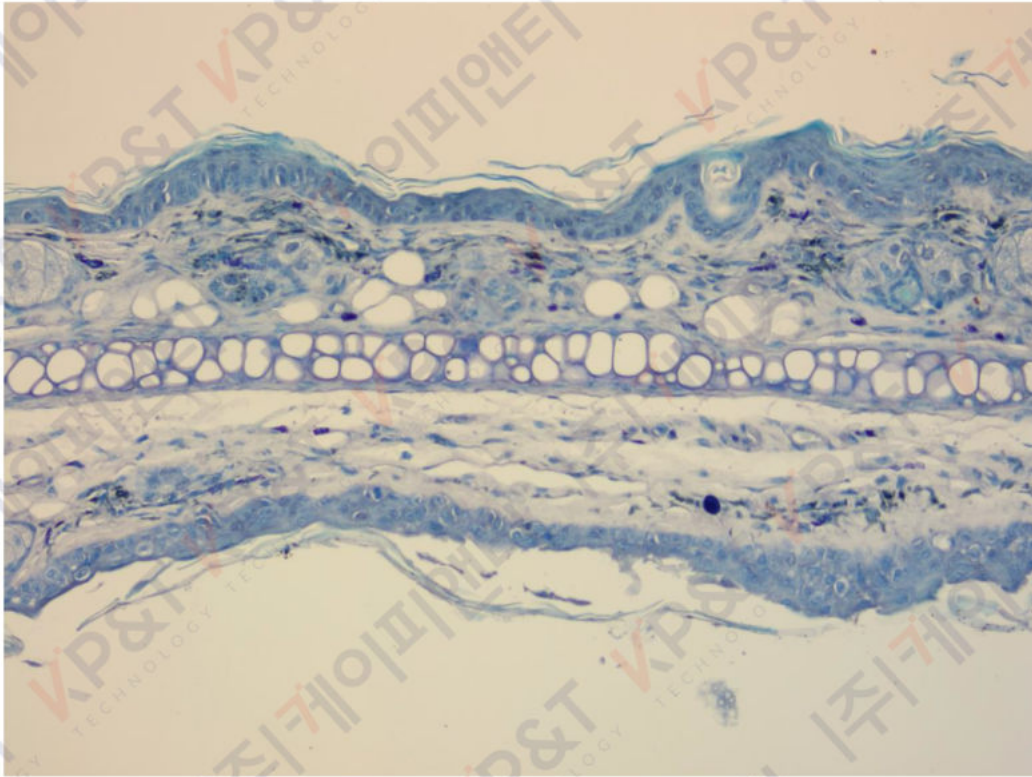
피부 전체층이 관찰되도록 제작



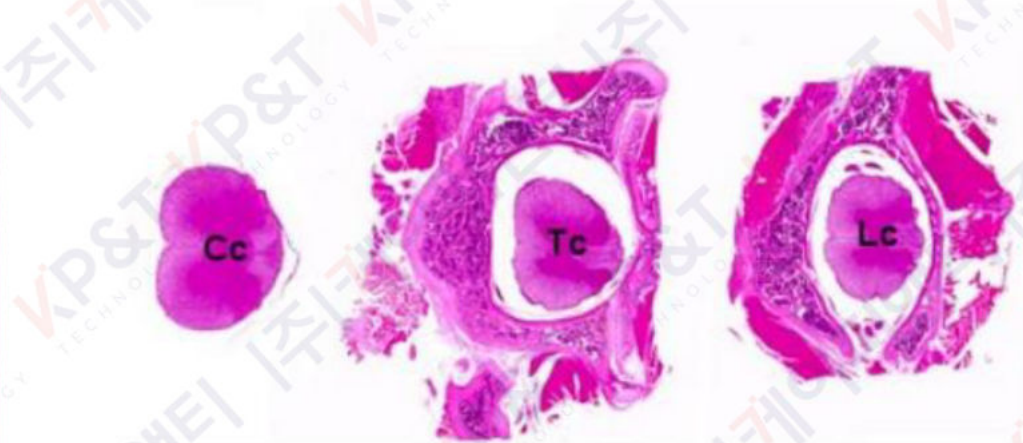
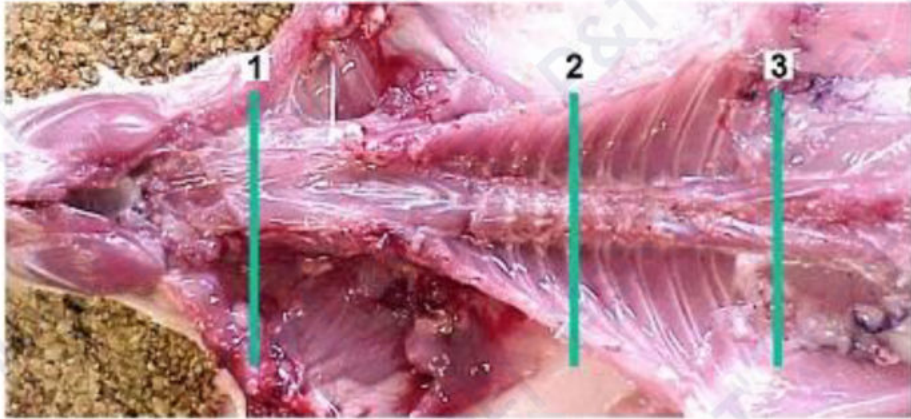
Masson's Trichrome Stain (아교섬유 염색)



Fontana-Masson Stain (멜라닌 염색)



Toluidine blue Stain (Mast Cell 염색)



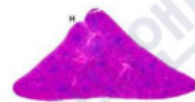
Spinal cord (Cc: cervical cord, Tc: thoracic cord, Lc: lumbar cord).
Option without bone shown for the cervical cord.

Spinal Cord

- 시험 부위에 맞는 위치를 제작, Cross Section
- 척추 뼈는 제거 후 의뢰 및 제작 진행



삭정 위치



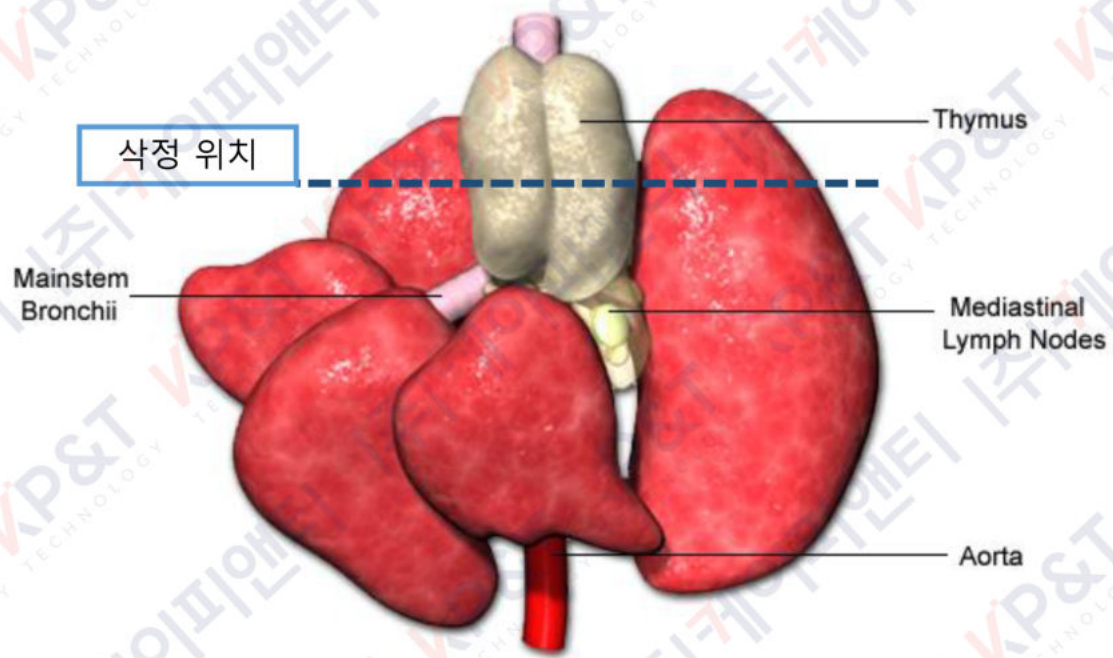
Spleen

H&E

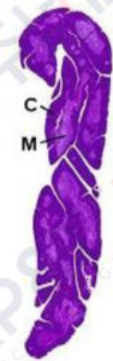
Spleen

- 비문을 관찰할 수 있도록 제작

Thoracic Pluck

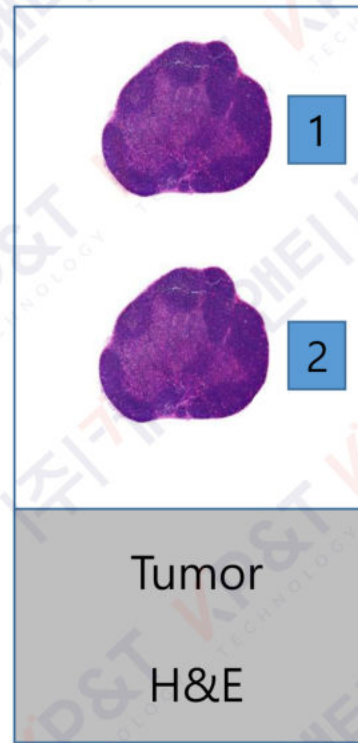
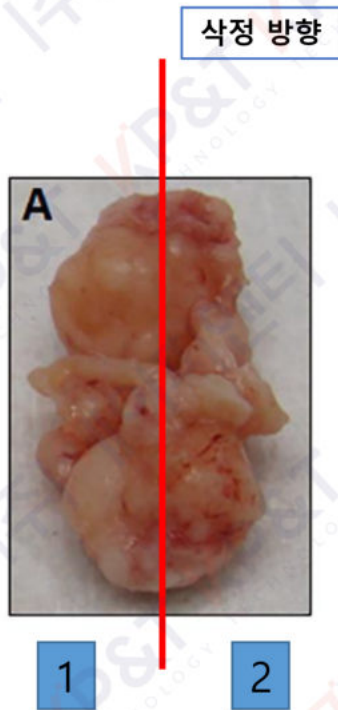


삭정 위치



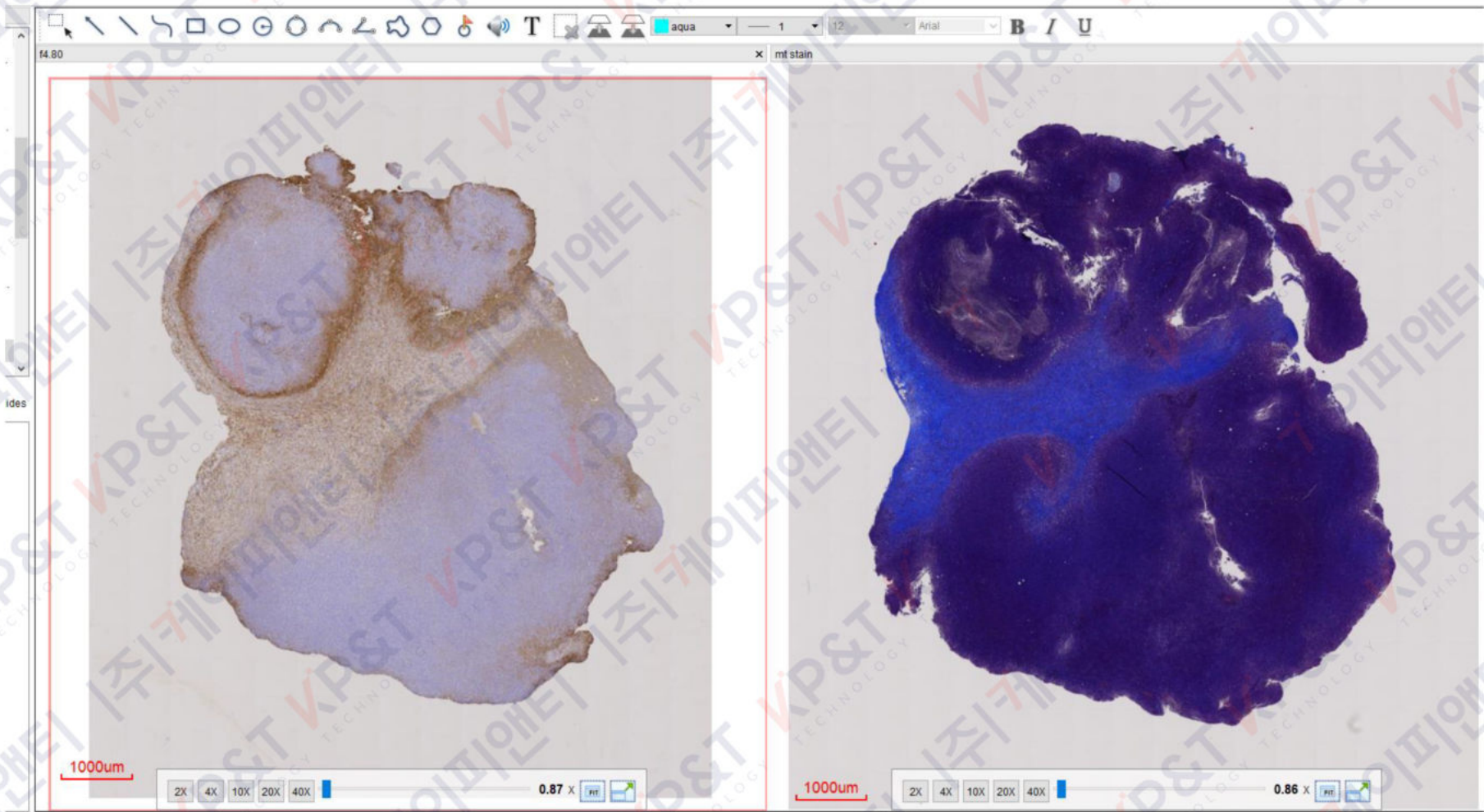
Thymus
H&E

Thymus
- Cortex, Medulla를 관찰할 수 있도록 Cross Section



Tumor

- Tumor: 가장 넓은 단면이 나올 수 있도록 제작
- 요청에 따라 피부 단면을 포함하거나 포매 방향 설정



슬라이드 스캔을 통한 이미지 확인

표1. 삭정 방법 (대동물)

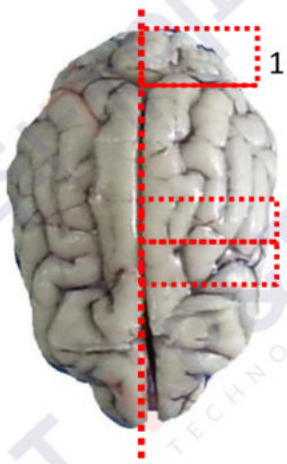







삭정 방법	
<p>Brain</p> 	<p>Thymus</p> 
<p>Note : 1-소뇌 2-뇌간 3-대뇌</p>	<p>Note :</p>
<p>Pancreas</p> 	<p>Adrenal glands(Left, Right)</p> 
<p>Note :</p>	<p>Note : 수질이 포함되도록 삭정한다.</p>
<p>Thyroid& Parathyroid glands(Left, Right)</p> 	<p>Pituitary gland</p> 
<p>Note : 부갑상선이 포함되도록 삭정한다.</p>	<p>Note : 그대로 카세트에 넣는다.</p>
<p>Esophagus</p> 	<p>Trachea</p> 
<p>Note :</p>	<p>Note :</p>

표2. 사정 방법 (대동물)

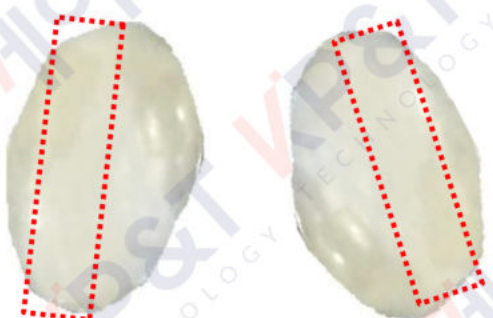




사정 방법	
Submandibular glands(Left, Right) 	Submandibular lymph node(Left, Right) 
Note :	Note :
Mesenteric lymph node 	Spleen 
Note :	Note :
Heart 	
Note :	

표3. 삭정 방법 (대동물)






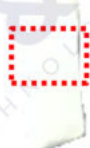
삭정 방법	
<p>Liver&Gall bladder</p> 	<p>Kidney(Left, Right)</p> 
<p>Note : 담낭이 포함되도록 삭정한다.</p>	<p>Note :</p>
<p>Lung</p> 	<p>Urinary bladder</p> 
<p>Note : 기관지가 포함되도록 삭정한다.</p>	<p>Note :</p>
<p>Skin/Mammary gland</p> 	<p>Tongue</p> 
<p>Note : 유두가 포함되도록 삭정한다.</p>	<p>Note :</p>
<p>Eyes&Optic nerve(Left, Right)</p> 	<p>Spinal cord</p> 
<p>Note : 시신경이 포함되도록 삭정한다.</p>	<p>Note :</p>

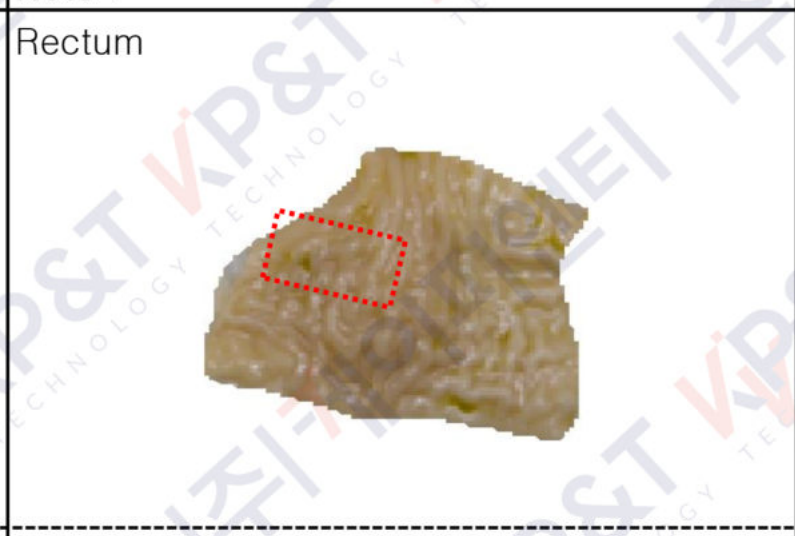
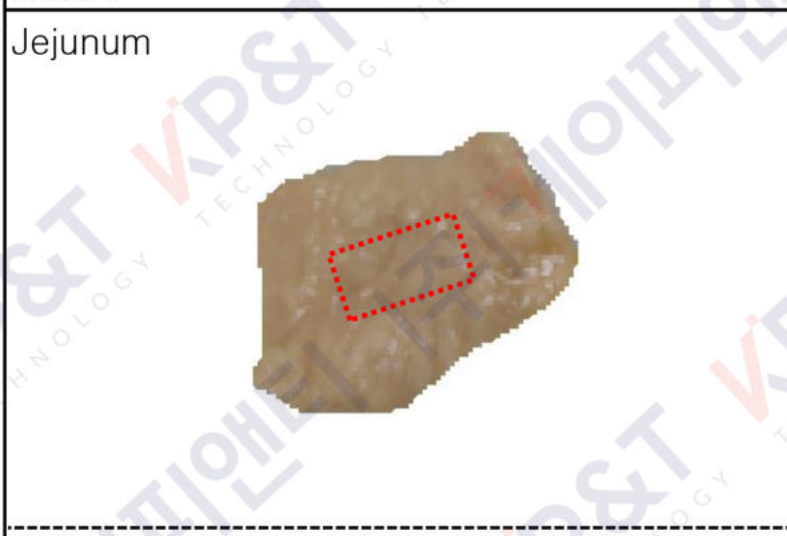
표4. 식정 방법 (대동물)

식정 방법



Note :

Note :



Note :

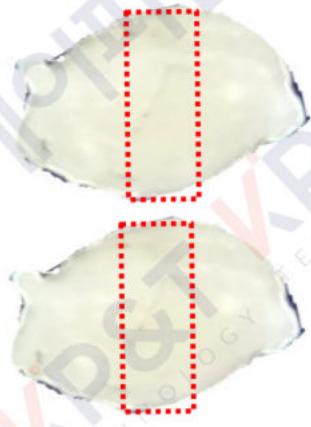






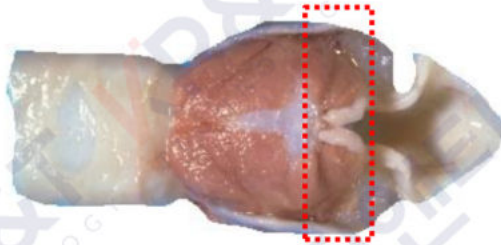
Note :



Note :

Note :

표5. 사정 방법 (대동물)

사정 방법	
<p>Testis(Left, Right)</p> 	<p>Epididymis(Left, Right)</p> 
<p>Note :</p>	<p>Note :</p>
<p>Prostate</p> 	<p>Uterus</p> 
<p>Note :</p>	<p>Note :</p>
<p>Vagina</p> 	<p>Ovary</p> 
<p>Note :</p>	<p>Note :</p>
<p>Sciatic nerve/Skeletal muscle</p> 	<p>Larynx</p> 
<p>Note :</p>	<p>Note :</p>