

# VetBioBank

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Established: Oct 2007

Financing: Infrastructure Program III and IV of the Ministry of Science  
University of Veterinary Medicine

Equipment: fully equipped histological laboratory  
2 cryotanks (Biosafe), reservoir tank  
paraffin block and slide archive  
slide scanner

Staff: 1 biomedical analyst  
1 scientist (half-time)

Tumour samples from Clinics (Surgery, Oncology)

Mouse samples from *Biomodels Austria*

1072 original samples  
~5000 aliquots

## VUGIT - database; developed by AHIT (Animal Health IT)

storage/sample tracking

### Paraffin Samples

Reference Number	Storage Position	Protected	Last Modification	Action
34	Paraffin block Archive 1 / Drawer 1 / Layer 2 / Row 2		19.09.2008	<a href="#">Select</a>

Add Paraffin Sample

### Slides

Reference Number	Storage Position	Protected	Last Modification	Action
34	Slide Archive 1 / Drawer 1 / Row 1		19.09.2008	<a href="#">Select</a>
34	Slide Archive 1 / Drawer 1 / Row 1		19.09.2008	<a href="#">Select</a>

### Kryo Samples

Reference Number	Kryo Type	Storage Position	Quantity	Protected	Last Modification	Action
34	RNA later	Nitrogen Tank 1 / Tower 1 / Box 3 / Row 3 Column 5	4		19.09.2008	<a href="#">Select</a>
34	-196	Nitrogen Tank 1 / Tower 1 / Box 3 / Row 4 Column 1	4		19.09.2008	<a href="#">Select</a>

Add Kryo Sample

### OCT Samples

Add OCT Sample

Samples

Administration

## Storage

Nitrogen Tanks

Paraffin Block Archive

Slide Archive

## Common

Kryo Types

Mouse Organs

Localizations

Tumortypes

Specific Tumortypes

Lines

Species

Breeds

Departments

### Slide Archive 1 / Drawer 1

Storage Position	Quantity of stored Samples	Amount of Space	Action
Row 1	487	●	<a href="#">View</a>
Row 2	486	●	<a href="#">View</a>
Row 3	503	●	<a href="#">View</a>
Row 4	164	●	<a href="#">View</a>
Row 5	0	●	<a href="#">View</a>
Row 6	0	●	<a href="#">View</a>
Row 7	0	●	<a href="#">View</a>
Row 8	0	●	<a href="#">View</a>
Row 9	0	●	<a href="#">View</a>
Row 10	0	●	<a href="#">View</a>
Row 11	0	●	<a href="#">View</a>
Row 12	0	●	<a href="#">View</a>
Row 13	0	●	<a href="#">View</a>
Row 14	0	●	<a href="#">View</a>
Row 15	0	●	<a href="#">View</a>

# VUGIT –

## search functions

**Storage**

- Nitrogen Tanks
- Paraffin Block Archive
- Slide Archive

**Common**

- Kryo Types
- Mouse Organs
- Localizations
- Tumortypes
- Specific Tumortypes
- Lines
- Species
- Breeds
- Departments
- Sender
- Disposals
- Animals

**Species**

Name

Name	Action
cat	<a href="#">Select</a>
chicken	<a href="#">Select</a>
dog	<a href="#">Select</a>
dog	<a href="#">Select</a>
ferret	<a href="#">Select</a>
guineapig	<a href="#">Select</a>
horse	<a href="#">Select</a>
human	<a href="#">Select</a>
pig	<a href="#">Select</a>
rat	<a href="#">Select</a>

# VUGIT –

transgenic mouse sample tracking

1 2 3 4 5 6 7 8

All results (282)

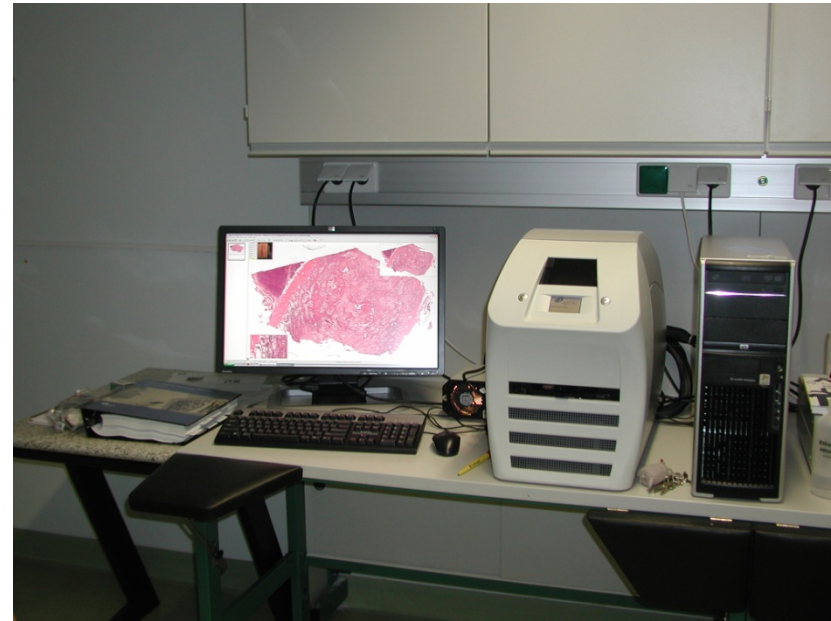
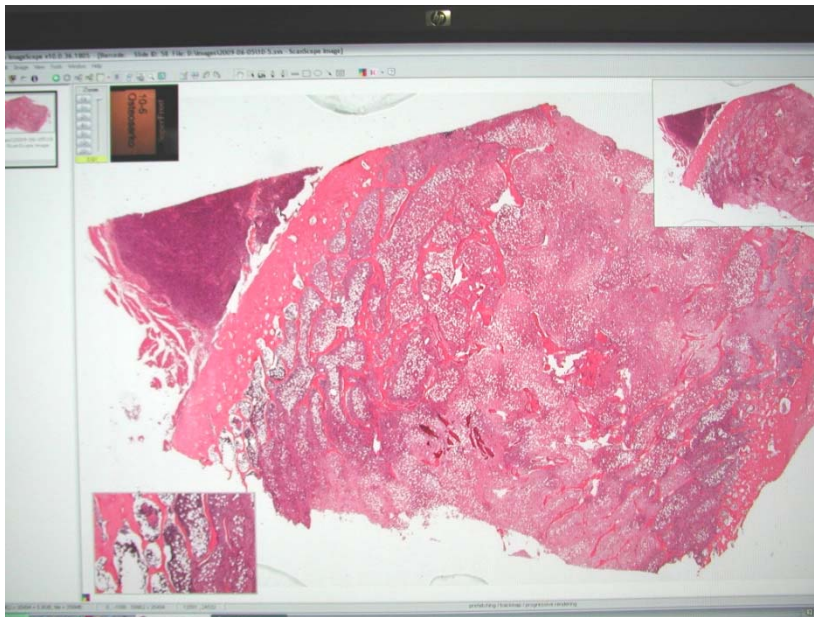
Ref. Nr.	Genetic Background	Line	Mouse Nr.	Organ	Weeks	Gender	Date of Surgery	Sender	Action
M1	WT	TG273	583	brain	6	male	24.10.2007	Plank	<a href="#">Select</a>
M2	WT	TG273	583	eye	6	male	24.10.2007	Plank	<a href="#">Select</a>
M3	WT	TG273	583	salivarygland	6	male	24.10.2007	Plank	<a href="#">Select</a>
M4	WT	TG273	583	esophagus	6	male	24.10.2007	Plank	<a href="#">Select</a>
M5	WT	TG273	583	stomach	6	male	24.10.2007	Plank	<a href="#">Select</a>
M6	WT	TG273	583	duodenum	6	male	24.10.2007	Plank	<a href="#">Select</a>
M7	WT	TG273	583	colon	6	male	24.10.2007	Plank	<a href="#">Select</a>
M8	WT	TG273	583	liver	6	male	24.10.2007	Plank	<a href="#">Select</a>
M9	WT	TG273	583	pancreas	6	male	24.10.2007	Plank	<a href="#">Select</a>
M10	WT	TG273	583	trachea	6	male	24.10.2007	Plank	<a href="#">Select</a>
M11	WT	TG273	583	lung	6	male	24.10.2007	Plank	<a href="#">Select</a>
M12	WT	TG273	583	heart	6	male	24.10.2007	Plank	<a href="#">Select</a>
M13	WT	TG273	583	testicle	6	male	24.10.2007	Plank	<a href="#">Select</a>
M14	WT	TG273	591	tongue	9	male	15.11.2007	Plank	<a href="#">Select</a>
M15	WT	TG273	583	kidney	6	male	24.10.2007	Plank	<a href="#">Select</a>
M16	WT	TG273	583	bladder	6	male	24.10.2007	Plank	<a href="#">Select</a>

## Tumours

- Adenocarcinoma
  - intestine
  - kidney
  - lung
  - mamma
  - metastases
- Adenoma
- Ameloblastoma
- Chondrosarcoma
- Fibrosarcoma
- Carcinoma
  - adrenal cortex
  - bladder (urinary)
  - circumanal gland
  - liver
  - lymph node
  - mamma
  - thyroid gland
- Carcinoma gelatinosum
- Hamartoma
- Histiocytoma
- Leiomyoma
- Leiomyosarcoma
- Lipoma
- Lymphoma
- Mastocytoma
- Melanoma
- Meningeoma
- Neurofibrosarcoma
- Osteochondrosarcoma
- Osteosarcoma
- Pheochromocytoma
- Sarcoid
- Sarcoma
- Synovial tumour
- Sertoli cell tumour



## Aperio Slide Scanner ScanScope CS



- Material transfer management
- Standardised quality controls (Is there a standard?)
- Harmonisation of sample treatment and data annotation

# VetBioBank

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