




April, 2015

Analysis of blood samples from laboratory animals

Shipment Address	Veterinärmedizinisches Labor Winterthurerstr. 260 8057 Zürich	
Phone	044 635 83 40	
Sample Submission	Main building 2nd floor Room TFA 10.08	
Sample Number	Maximum of 15 samples per day. In case of more samples, please contact us.	
Notification	The laboratory should be notified at least 7 days before sample submission.	
Sample Processing	If samples are received in the laboratory before 2 pm, they will be analyzed the same day (only valid if the laboratory has been notified in advance). This may not be true if manual differentials are required.	
Attention	Please be aware that if the laboratory has not been informed about sample submission or if the maximum number of samples is exceeded, we are not able to guarantee sample processing the same day.	

ACCREDITED BY EAAC/EFVE



General remarks

- For blood collection techniques we refer to the Zurich Integrative Rodent Physiology Platform (<http://www.zirp.uzh.ch>).
- Please use only the indicated blood tubes.
- The tubes have to be clean and clearly labelled.
- For every animal, a submission form has to be filled in and given to the laboratory together with the samples (<http://www.vetlabor.uzh.ch>). In case of a group of animals with the same analyses, one submission form for the whole group is sufficient.
- For analyses not mentioned below, please contact us: 044 635 83 40 or info@vetlabor.ch
- Please be aware that we don't have any laboratory specific reference values for laboratory animals and that we don't report any reference values in these species.
- Please be aware that, depending on the type of study, an administrative charge might be claimed.



Coagulation

Coagulation testing is performed on citrated plasma. We use a Stago Start 4 coagulation analyzer applying an electro-mechanical clot detection method. This method is widely used and suitable for laboratory animals.

General remarks:

- The citrate to whole blood ratio is critical (anticoagulant: blood = 1:9), since over- or undercitrated samples will yield erroneous coagulation results. Therefore, **tubes need to be exactly filled until the mark.**
- Before centrifugation of blood, absence of clots has to be confirmed. Clotted samples will yield erroneous coagulation results.
- Centrifugation should be done within **one hour** of blood collection. Plasma should then immediately be frozen at -20°C and submitted frozen to the laboratory for analysis.
- Centrifugation: 10 minutes at 1.800 x g; plasma should be pipetted in a clean, dry, well closing tube without anticoagulant.

Sample requirements:

- **Citrated plasma** (submitted frozen):
 - o Prothrombin time (PT): **at least 100 µl**
 - o Activated partial thromboplastin time (aPTT): **at least 100 µl**
 - o Thrombin time (TT): **at least 200 µl**
 - o Fibrinogen: **at least 30 µl**
- Recommended tubes:
 - o Sarstedt Probengefäss 1,3ml 9NC, Ordering Number: 41.1350.005 OR
 - o Sarstedt Probengefäß 1ml 9NC, Ordering Number: 41.1506
 - o Sarstedt Probengefäß 0.5ml 9NC, Ordering Number: 41.1506.002

Parameters:

- Prothrombin time (PT)
- Activated partial thromboplastin time (aPTT)
- Thrombin time (TT)
- Fibrinogen



Prizes:

- Prothrombin time: 12.50 CHF per sample (excl. of VAT)
- Activated partial thromboplastin time: 12.50 CHF per sample (excl. of VAT)
- Thrombin time: 12.50 CHF per sample (excl. of VAT)
- Fibrinogen: 15 CHF per sample (excl. of VAT)