

Animal Phenotyping Platform

Max Delbrück Center for Molecular Medicine

Application for an in vitro/ex vivo analysis

Please send back the filled and signed document together with:

☐ List of animals to be examined (animal ID and group affiliation may be anonymized)

to

phenotyping@mdc-berlin.de

General information

1. Project title: _____

2. Group name: _____

3. Responsible person: _____ Email: _____ Tel.: _____

4. Representative: _____ Email: _____ Tel.: _____

5. Institute: _____

6. Cost center: _____

7. Project description:

8. Sample origin

Species: Mouse Rat NMR Other: _____

Sex: Male Female Male and Female/Unknown

9. Additional agreements

10. Closing statement:

I agree with the debiting of the mentioned cost center for accrued costs of examination

Date

Responsible person/Authorized representative of the cost center

~ Please, use "Animal Phenotyping Platform" to acknowledge this work ~

Information for hematology or clinical chemistry measurements

11. Method

Hematology

Clinical chemistry

12. Sample type

EDTA whole blood

Heparin plasma

Serum

Urine

CSF

Other: _____

13. Sample integrity (due to experimental conditions or sample preparation)

Obfuscation
(e.g. due to lipaemia)

Reddening
(e.g. due to hemolysis)

Yellow coloring
(e.g. due to hyperbilirubinaemia)

Other: _____

14. Sample preparation

Blood samples

	periexperimental	final
retrobulbar		
submandibular		
v.jugularis		
tail-veine		
a.carotis		
cardiac puncture		

Urine samples

24h-collected
timed
bladder puncture
bladder catheterization

Other:

15. Multiple sampling per animal (multiple time-points)

No Yes, number: _____

16. Expected total number of samples (not parameters!)

Number: _____

17. Parameters

Blood Parameters

<u>Abbr.</u>	<u>Name</u>	<u>Abbr.</u>	<u>Name</u>
ALB	Albumin	HDL	High-density lipoprotein
ALP	Alkaline phosphatase	HCYS	Homocysteine
ALT	Alanine aminotransferase	K	Potassium
AMM	Ammonia	LAC	Lactate
AMYL	Amylase	LDH	Lactate dehydrogenase
APOA1	Apolipoprotein A1	LDL	Low-density lipoprotein
AST	Aspartate aminotransferase	LIP	Lipase
CA	Calcium	LP(a)	Lipoprotein (a)
CHOL	Cholesterol, total	MG	Magnesium
CL	Chloride	MYO	Myoglobin
CRE	Creatinine	NA	Sodium
CKMB	Creatinkinase, iso-enzyme M/B	PHOS	Phosphate, inorganic
CRP	C-reactive protein	TBIL	Bilirubine, total
CYSC	Cystatin C	TP	Total protein
DBIL	Bilirubine, direct	TRIG	Triglycerides
FE	Iron	TRF	Transferrin
FERR	Ferritin	UA	Uric acid
FRUC	Fructose	UIBC	Unsaturated iron binding capacity
GGT	Gamma glutamyltransferase	UREA	Urea
GLU	Glucose		

Urine Parameters

<u>Abbr.</u>	<u>Name</u>	<u>Abbr.</u>	<u>Name</u>
UALB	Urinary albumin	MG	Magnesium
AMYL	Amylase	NA	Sodium
CA	Calcium	PHOS	Phosphate, inorganic
CL	Chloride	UA	Uric acid
CRE	Creatinine	UP	Urinary protein
GLU	Glucose	UREA	Urea
K	Potassium		

Blood Counts

Small blood count		Differential blood count	
<u>Abbr.</u>	<u>Name</u>	<u>Abbr.</u>	<u>Name</u>
RBC	Erythrocytes	WBC	Leukocytes (total)
HGB	Hemoglobin content	LYMPH	Lymphocytes
HCT	Hematocrit	MONO	Monocytes
MCV	Mean corpuscular volume	NEUT	Neutrophil granulocytes
MCH	Mean corpuscular HGB	EOS	Eosinophil granulocytes
MCHC	MCH concentration	BASO	Basophil granulocytes
RDW	Erythrocyte distribution width		
RET	Reticulocytes		
PLT	Platelets		

Information for μ CT measurements

18. Sample type (organ / body part / perfused with a contrast agent or not)

Short description:

19. Sample collection date

Date: _____

20. Sample storage

4% PFA 0,9% NaCl Alcohol Wet tissue

4°C -20°C

Other: _____

21. Expected total number of samples

Number: _____