



Mouse Chemistry and Haematology

New validations and lowered volumes to meet your research needs.

IDEXX **BioAnalytics**

IDEXX



Mice play a critical role in preclinical research and IDEXX BioAnalytics has been working to optimize its mouse offering with thorough validations and reduced minimum volumes.

IDEXX BioAnalytics understands how difficult it is to obtain high volume samples from mice. We're proud to offer panels focused on early discovery and toxicology work starting under 100uL. We also know that your work is unique, and we're excited to help you by allowing you to create customized panels.

Get the results that matter the most to you!

Chemistry

IDEXX BioAnalytics is able to offer custom panels including the analytes listed below. We also have set panels for more common requests. Contact our Customer Support Service (CSS) team or your Account Manager for a quote to see how our lowered volumes can help you get the most from your research samples.

Clinical chemistry analytes	Organ system or group
ALT, AST, ALP, GGT, Total Bilirubin, GLDH, Bile acids	Liver
Blood urea nitrogen (BUN)	Liver, Kidney
Creatinine	Kidney
Cholesterol	Lipids, Liver
Triglycerides, HDL/LDL cholesterol	Lipids
Glucose	Endocrine system, Liver
Creatine kinase	Muscle damage
Sodium, Potassium, Na:K ratio, Chloride, Inorganic phosphate, Calcium, Magnesium	Electrolytes
Total protein, globulins	Proteins
Albumin	Proteins, Liver
T4	Thyroid
α -Amylase	Pancreas
Uric acid	Kidney
LDH	Tissue damage

Haematology

Complete blood counts (CBCs) are a key component of understanding your research animal's general health or for studying haematotoxicity. Our best in class haematology analyzers and knowledgeable technicians understand the importance of every sample.

Haematology panels

Complete Blood Counts	Small Blood Count	Large Blood Count (Automated Diff)	Large Blood Count (Manual Diff)
Sample Volume Requirements	100 µL	100 µL	100 µL
ISO Accreditation	✓	✓	✓
Red Blood Cell count (RBC)	•	•	•
Haemoglobin (Hb)	•	•	•
Haematocrit	•	•	•
Mean Corpuscular Volume (MCV)	•	•	•
Mean Corpuscular Haemoglobin (MCH)	•	•	•
Mean Corpuscular Haemoglobin Concentration (MCHC)	•	•	•
Platelet Count	•	•	•
White Blood Cell count (WBC)	•	•	•
White Blood Cell Differential		Automated	Manual
Microscopic evaluation of blood smear [†]			•

† Microscopic evaluation of blood smear includes, if present:

- WBC: segmented neutrophils, band neutrophils, morphological abnormalities, and immature/precursor cells
- RBC: anisocytosis, polychromasia, poikilocytosis, and inclusion bodies
- Platelets: morphological abnormalities and clumping

Add-ons for Standard Haematology

Test name and components	Specimen requirements	Turnaround time	ISO Accreditation
Reticulocyte Count Add-on, Automated	No additional	1-2 days	✓

Haematology and Chemistry Profiles (Combined)

Test name and components	Specimen requirements	Turnaround time	ISO Accreditation
Comprehensive Chemistry and Small Blood Count	150 µL serum, 100 µL EB	1-2 days	✓



Do you have any questions regarding Mouse Chemistry or Haematology?

Contact Client Support Services and we will be glad to assist you or email us anytime at idxxbioanalytics-europe@idexx.com.

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