



IDEXX

External Quality Assurance Scheme

Haematology



To satisfy the requirements of the Royal College of Veterinary Surgeons with regards to practice standards it is necessary to perform external quality control on IDEXX haematology analysers, the Procyte and/or Lasercyte.

Four times a year at the beginning of the relevant month (March, June, Sept, Dec) member practices will receive a request asking them to submit a paired sample for comparison at the IDEXX Laboratory in Wetherby.

Along with the request there will be a test requisition form, marked with the EQA test code.

NB. The EQA test code is ONLY open for a specific window of the EQA test run and ONLY to be used once by each Practice for the purpose of EQA comparison sample. The test code will be deactivated at the end of each EQA test run and any tests sent in other than EQA using this code will be charged as per IDEXX directory of pricing.

Upon receipt of the request and test requisition form the practice should do the following:

- Run any sample through their haematology analyser as a FBC (Full Blood Count)
- Prepare a blood film/slide of the sample
- Complete the required details of the test requisition form
- Send the following to the IDEXX Laboratory in Wetherby:
 1. The completed test requisition form
 2. A copy of the results obtained at the practice
 3. The remaining blood sample
 4. The prepared blood slides

Once received the sample will be analysed here at the laboratory and compared against the results obtained by the practice.

A report will be prepared, and any comments or discrepancies will be noted. A covering letter will also be prepared, which will state if the results are **GOOD** or **OUT OF RANGE**.

Any discrepancies will be commented upon and can then be followed up by Technical Support and any required troubleshooting performed.

The report, along with the covering letter will be emailed to practices at the end of the relevant month.

Please see over for examples of the paperwork practices can expect to receive.



IDEXX Laboratories
Grange House
Sandbeck Way
Wetherby
West Yorkshire
LS22 7DN
Tel: 0203 7887508

«Contact_Name_Results»«Contact_Surname_Results»
«Practice»
«Address_1»
«Address_2»
«County»
«Postcode»

«Vetcode»

HAEMATOLOGY EQA SCHEME 2023

Dear «Contact_Name_Results»

Further to your ongoing participation in the IDEXX Haematology EQA Scheme 2023, please find enclosed an EQA test requisition form specific to your practice.

The haematology EQA instruction booklet is available on the EQA page on the website or alternatively can be emailed to you upon request.

Please proceed to action the first EQA assay as below:

Haematology EQA 1

- Run a haematology patient sample through your haematology analyser
- Send the remaining sample AND a blood film together with a **copy of your results** into the lab
- Complete and send the enclosed form along with the sample and a copy of your results.

NB: Please remember - the EQA window will ONLY be open for the duration of each test period, must ONLY be used once, and must ONLY be used for EQA purposes & NOT diagnostic one's. Test samples received after the EQA window has closed will NOT be actioned and "no results" will be sent back to practices.

Please ensure you complete and return this EQA between **1st March and 31st March 2023**.

If you require further information or assistance, please do not hesitate to contact me at the Wetherby Laboratory.

Yours sincerely

IDEXX EQA TEAM
IDEXX Laboratories
eqa@idexx.com



IDEXX EXTERNAL QUALITY ASSURANCE SCHEME - HAEMATOLOGY REQUISITION FORM

<u>Lab Number</u>	DATE	VET CODE «Vetcode»		For Lab Use Only <input type="checkbox"/> EDTA <input type="checkbox"/> SMEAR <input type="checkbox"/> IN HOUSE RESULTS
	VETERINARY SURGEON	PRACTICE NAME «Practice»		
PLEASE BOOK UNDER ACCOUNT: *EQAH1*	PRACTICE ADDRESS «Address_1» «Address_2» «County» «Postcode»	OWNER NAME	ANIMAL NAME	
		Species	Breed	
		Date of Birth	Age	
		Sex	Intact or Entire	

CODE	TEST DESCRIPTION	SAMPLE REQUIREMENTS
EQAH	EQA HAEMATOLOGY	1ml EDTA & Air Dried Smear <input type="checkbox"/>

EXAMPLE

NB: Please remember - the EQA test window will ONLY be open for the duration of each test period, must ONLY be used once; and must ONLY be used for EQA purposes & NOT diagnostic one's. Test samples received after the EQA window has closed will NOT be actioned and "no results" will be sent back to practices.

Please ensure you complete this EQA by **31st March 2023**

Please return to: IDEXX Laboratories P O Box 4, Wetherby, West Yorkshire LS22 4YY
 Telephone: 0203 7887508 Fax: 01937 544180 email: labhelp@idexx.com



IDEXX Laboratories
Grange House
Sandbeck Way
Wetherby
West Yorkshire
LS22 7DN
Tel: 0203 7887508

«Contact_Name_Samples» «Contact_Surname_Samples»
«Practice»
«Address_1»
«Address_2»
«County»
«Postcode»

«Vetcode»

EQA HAEMATOLOGY EQA RESULTS

Dear «Contact_Name_Samples»

EQA Haematology EQA Sample 1 (April 2023) Results

- **GOOD - NO ISSUES FOUND** *delete as appropriate
- **OUT OF RANGE RESULTS – SEE BELOW FOR FURTHER INFORMATION**

The results have been generated by assay through our haematology analyser here in the laboratory.

In addition, you may find the following information useful:

- The haematology results have been reviewed by a highly trained technician.
- In the cases where the analyser results suggest an inaccuracy in the Haemoglobin and/or Haematocrit result, the result has been corrected by performing a manual Hemocue Haemoglobin and/or manual PCV.
- An additional note has been added in cases where inaccuracy could have been caused by sample quality, such as lipemia, auto agglutination or haemolysis, which will have affected the calculated parameters (HCT, MCH and MCHC).
- Platelet clumping is common and can lead to low platelet counts.
- Result ranges may differ to practice results due to reporting range differences between laboratory and practice analysers.

As there were no discrepancies identified, then the compared results are acceptable/Or the following discrepancies have been identified: _____

Please contact Technical Support UK on 0203 788 7508 ext. 3 and 5) to carry out further troubleshooting for your machine.

Yours sincerely

EQA TEAM
IDEXX Laboratories Ltd
eqa@idexx.com



EXAMPLE VET PRACTICE VETCODE

PET OWNER: VETCODE	EQA HAEMATOLOGY	REFERENCE: 1008674914
PATIENT ID:	IDEXX LABORATORIES INTERNAL ACCOUNT	DATE OF SAMPLING: 09/01/2023
SPECIES: FELINE	FOR EQA ONLY	DATE OF RECEIPT: 11/01/2023
BREED: DOMESTIC SHORTHAIR	GRANGE HOUSE, SANDBECK WAY	DATE OF REPORT: 11/01/2023
GENDER: MALE NEUTERED	WETHERBY	
AGE: 13Y3M	YORKSHIRE LS22 7DN	
MICROCHIP:	CUSTOMER: EQAH1	
	ATTENDING VET:	

IDEXX SERVICES: **EQAH**
 SAMPLES RECEIVED: **EDTA, Slide**

HAEMATOLOGY

ALERT	TEST	RESULT	UNITS	REF.INTERVAL	
	*RBC	8.36	10 ¹² /L	7.12 - 11.46	<input type="checkbox"/>
	*Haematocrit	0.378	l/L	0.282 - 0.527	<input type="checkbox"/>
	*Haemoglobin	11.4	g/dL	10.0 - 16.2	<input type="checkbox"/>
	*MCV	45.2	fL	43.0 - 56.0	<input type="checkbox"/>
	*MCH	13.6	pg	12.6 - 16.5	<input type="checkbox"/>
	*MCHC	30.2	g/dL	28.0 - 37.5	<input type="checkbox"/>
	*Reticulocytes	35.9	10 ⁹ /L	<=50.0	<input type="checkbox"/>
	*WBC	10.7	10 ⁹ /L	3.0 - 19.0	<input type="checkbox"/>
	*% Neutrophils	86.9	%		
	*% Lymphocytes	8.3	%		
	*% Monocytes	0.9	%		
	*% Eosinophils	3.6	%		
	*% Basophils	0.3	%		
	*Neutrophils	9.3	10 ⁹ /L	2.62 - 15.17	<input type="checkbox"/>
	*Lymphocytes	0.9	10 ⁹ /L	0.85 - 5.85	<input type="checkbox"/>
	*Monocytes	0.1	10 ⁹ /L	0.04 - 0.53	<input type="checkbox"/>
	*Eosinophils	0.39	10 ⁹ /L	0.09 - 2.18	<input type="checkbox"/>
	*Basophils	0.03	10 ⁹ /L	0.00 - 0.10	<input type="checkbox"/>
	*Platelets	474	10 ⁹ /L	155 - 641	<input type="checkbox"/>

*Analyser ID Results generated by SYSMEX XN-V 45360
 *EQA Haematology Validation (#) The above results have been reviewed by a highly trained haematology technician

Clinical Pathologist Report (#)

Clinical Pathology Group
 on behalf of Alison J Farr BVetMed Diplomate ACVP (Clin Path) FRCPath MRCVS

Total request fee: £0.00 plus VAT
 The above fee is for all tests requested under this reference number.
 This is not a VAT invoice.

* = newly reported results # = Tests indicated by a hash (#) are not included in the UKAS ISO/IEC 17025:2017 Schedule of Accreditation.

Please see IDEXX website www.idexx.co.uk/detailssoftesting for details of accredited test methods and referred tests.

Inappropriate sample types, techniques, or devices pose a risk to accurate results for which IDEXX is not responsible.