

UK NEQAS Haematology

SURVEY 1703DL: AUTOMATED DIFFERENTIAL LEUCOCYTE COUNT: 5 June 2017

CLOSING DATE: 5pm; 13 June 2017

1.0 Distribution Package

Distribution 17F includes the following surveys:

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| 1. Full Blood Count | 5. Manual Differential Leucocyte Count |
| 2. Automated Differential Leucocyte Count | 6. Abnormal Haemoglobins |
| 3. Erythrocyte Sedimentation Rate | |
| 4. Blood Films for Morphology | |

A full package comprises a plastic postal bag, containing documentation and a moulded plastic specimen carrier comprising a transparent side holding vials of survey material and/or a slide carrier and an absorbent side that will absorb up to 50ml of liquid, i.e. the entire contents of the package, in the event of a breakage.

Specimens are only included for the tests for which you are registered.

Repeat specimens may be requested if your specimens are received damaged.

Please contact the Scheme by telephone or email using the contact details in the header.

2.0 Information required for Control of Substances Hazardous to Health (COSHH)

This information is printed on a separate information sheet and should be reviewed by your COSHH assessor for consideration of any changes necessary to your local work practices.

3.0 Use of packaged material

This material is for use in External Quality Assessment Surveys to assess laboratory performance.

4.0 Automated Differential Leucocyte Count Survey 1703DL

This survey contains preserved whole blood specimens **1703DL*1** and **1703DL*2**. The * in the specimen number will be replaced by the matrix letter. You will receive material appropriate for your registered instrument(s) as shown in the table below. Test by the appropriate instrument(s).

MATRIX	INSTRUMENT
A	Sysmex K1000, KX21, K4500, pocH-100i, Cell-Dyn 1200,1600,1700,1800
B	Coulter AC*T Diff, Coulter MDII, Horiba Micros, Horiba Micros CRP, Siemens ADVIA 60, Diatron Abacus Junior 5, Nihon Khoden 3 population. Instruments
C	Cell-Dyn 4000, 3700, 3500, 3200, Sapphire,Ruby
D	Siemens ADVIA 120, 2120, 2120i
E	Coulter StkS, MaxM, GenS, HMX, LH series, Beckman Coulter Unicell DxH series
G	Horiba Pentra series, Horiba Pentra DX series, Horiba Pentra DF series, Coulter AC*T5 Diff
J	Sysmex XE, XN, XS and XT series.

Specimen handling and disposal

- On receipt, vials should be stored at 2 - 8 °C until tested
- Allow the vials to equilibrate to room temperature for 15 minutes. Mix by holding the vial horizontally between the palms of the hands, roll back and forth rapidly for 30 seconds and then invert gently 10 times. Repeat until the cells are uniformly suspended and then allow the vial to rest undisturbed for 15 seconds to allow small air bubbles to disperse. DO NOT USE A MECHANICAL MIXER OR SHAKE THE VIALS.
- Gently invert the vial 10 times immediately before sampling.
- **Sysmex XE, XN, XS and XT instruments:** analyse the material using the QC mode as instructed by the manufacturer to obtain differential counts.
This document can be downloaded by entering the following into the address bar of your internet browser;
https://www.ukneqash.org/downloads/Sysmex_letter_for_NEQAS_DIFF&RET_specs_analysis_250314.pdf
- **Siemens ADVIA 120 and 2120 analysers:** report the Perox channel TOTAL WBC.
- **Siemens ADIVA 2120 & 2120i:** switch off reporting of nRBC when processing the UK NEQAS Haematology ADLC specimens as instructed by the manufacturer.
This document can be downloaded by entering the following into the address bar of your internet browser;
https://www.ukneqash.org/downloads/Siemens_letter_ADVIA_2120.pdf
- The material should be handled and discarded as potentially infectious patient material

5.0 Return of results

- 6.0 If you find the specimen quality unsatisfactory, tick the 'unsatisfactory' box and note the details in the Comment box.
- 7.0 Return your results on line at www.ukneqash.org/sampleentry or by fax to **+44 (0)1923 217879** using a header sheet giving your PRN and the number of sheets sent.

6.0 Next Distribution

The next Automated Differential Leucocyte Count Survey (1704DL) is scheduled for 31 July 2017.