

Blood Transfusion Laboratory Practice Exercise Instructions 26E9

Distributed on 19/10/26– Closing on 29/10/26

Material Provided

Four patient samples are provided for antibody screening/identification. We recommend that all samples be centrifuged prior to testing to prevent possible aspiration of air bubbles by automated equipment.

Please refer to the COSHH sheet provided for all Health and Safety aspects of the samples.

https://haembtlt.ipassportqms.com/document_download/M2ZIYWMzMTEtNTYwNi00YjEzLTg3YTItYTNmMzAzN2FiMGY5

Please note that plasma may contain antibodies to low frequency antigens (LFAs), with a frequency of <1%, in addition to the current maximum of two specificities. On the rare occasion that your panel contains a cell positive for an LFA, which results in you being unable to conclusively identify the antibodies present, we will accept a UI submission. There is no need to exclude the presence of antibodies to LFAs.

Where relevant, theoretical phenotypes and clinical / demographic details for the 'patients', and any other exercise related information / instructions are given.

Testing and Reporting Results

Using your routine method, perform antibody screen and/or antibody identification depending on your registration.

Record the reaction strengths – for antibody screening record the reaction strength of the strongest reacting screening cell.

DRT: Direct Room Temperature, IAT: Indirect Antiglobulin Test, NISS: Normal Ionic Strength Saline, LISS: Low Ionic Strength Solution, UI: Unable to Identify or Unable to Interpret.

It is important that EQA samples are treated in the same way as clinical samples so that EQA errors can accurately reflect potential problems in clinical practice. This applies to all steps in the laboratory process, not only serological testing. Therefore we strongly advise that, as far as possible, routine 'booking-in' and checking procedures are followed with UK NEQAS samples. In order to make this work, the laboratory manager may need to 'prepare' the exercise in some way such as by making request cards, or setting up codes so that the samples can be entered into a computer system, and/or any routine manual checks made to detect result transcription / sample transposition errors.

Clinical / demographic details

None for this exercise

Continued overleaf

Theoretical 'Patient' red cell phenotypes 26E9

Patient Sample	Auto	Rh						MNS				P	Lu	Kell			Lewis		Duffy		Kidd	
		D	C	C ^w	c	E	e	M	N	S	s	P ₁	Lu ^a	K	k	Kp ^a	Le ^a	Le ^b	Fy ^a	Fy ^b	Jk ^a	Jk ^b
1	N	+	+	+	+	0	+	0	+	+	0	+	0	0	+	+	+	0	+	+	+	0
2	N	0	0	0	+	0	+	+	+	+	0	0	0	0	+	+	+	0	+	+	0	+
3	N	+	+	0	+	0	+	+	0	+	+	0	0	0	+	0	+	+	+	0	+	+
4	N	+	+	+	+	0	+	+	0	+	+	+	0	0	+	0	+	+	0	+	+	+

Additional information
None for this exercise

Return of results

- Please enter your results via www.uknegasbtlp.org and ensure that you have clicked the 'Submit' button on the data entry page. At this stage, a summary of the results submitted will be displayed, and can be printed for checking and as a record of submission. Any change after this time (and before the closing date) will require a request to the scheme to re-set the web page for re-submission.
- The distribution will be closed on the web on the published closing date / time, and all results 'saved' but not 'submitted' will be collected and assessed.
- **Any antibodies recorded as "not excluded" will not be taken into consideration for scoring unless a UI submission is made.**
- If you wish to send antibody ID and screening panel profiles as part of a 'UI' submission for antibody identification, please complete your results on the web as usual. Selecting the UI box in antibody identification will open an additional box for recording the reason for UI submission. Scanned images of your panel and screening cell profiles / results should be uploaded to the website.
- If you wish to make a comment regarding this exercise, click on the 'Email Scheme' link at the top of the data entry pages.
- Detailed instructions for completion of the web data entry pages can be found on-line https://haembtlp.ipassportqms.com/document_download/NTgwNjczYzAtYmRkZC00NzllLWI4MTAtODM3YjBmY2U3MzVj

If you have any problems with the exercise material or any queries regarding completion of the exercise or submission of results, please contact the BTLT team for advice.