

Intended Result

Specimen 4638 *Plasmodium ovale*

Your Report

Plasmodium ovale

Your Score

2

Cumulative score information

Total number of specimens sent to you for **UK NEQAS for Blood parasitology** over the last 8 distributions is 8.
For these distributions specimen numbers 4115 4205 4246 4411 4459 4558 4593 4638 have been analysed and scored.

Number of reports analysed 8
Number of specimens reported as not examined (not scored) 0
Number of specimens received too late for analysis (not scored) 0
Number of specimens for which no report was received (not scored) 0
Your cumulative score for these specimens was 18 out of a possible total of 18

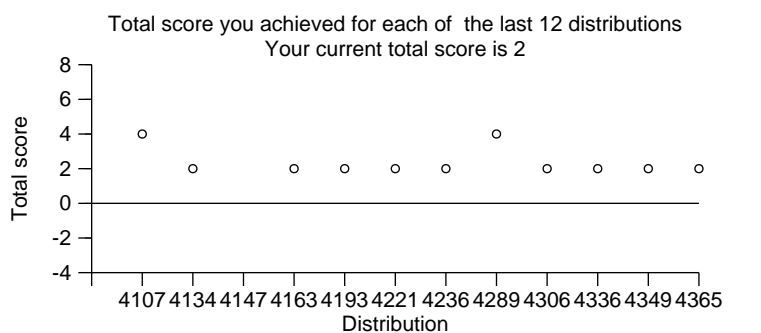
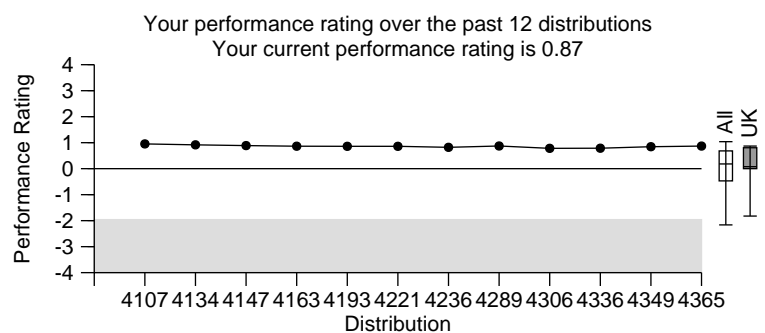
The mean score calculated from the reports returned by **UK** laboratories was 15.81 with a standard error of 2.52.
No score penalty is incurred for non return of reports. However non return of results may be used as a measure of poor performance.

Performance rating

Your performance rating for **UK NEQAS for Blood parasitology** (i.e. the number of standard errors by which your cumulative score lies above or below the mean for **UK** laboratories) is 0.87.

A performance rating of more than 1.96 standard errors below the mean indicates possible poor performance.
Your performance rating may change if other participants' results are amended.

No score penalty is incurred for non return of reports. However non return of results may be used as a measure of poor performance.



Turn around time: The time taken to report your results was 0 day(s). This information is provided for your own use and does not form part of your performance assessment.

Comments

The performance for this distribution was excellent with 94.4% of participants reporting the correct result for this blood film compared with 59.5% in the previous distribution (Distribution 4147) containing *Plasmodium ovale*.

This specimen contained all stages of *Plasmodium ovale* with both the parasitised red cells and parasites showing the characteristic morphology associated with *Plasmodium ovale* i.e. the parasitised red blood cells are slightly enlarged and contain prominent James's dots, some are fimbriated and the trophozoites are compact. The gametocytes are compact filling only half of the red blood cells. The schizonts are round to oval with 6-14 merozoites.

It was noted that 2.8% of participants mistakenly reported the parasite as *Plasmodium vivax*. The parasitised red blood cells of *Plasmodium vivax* were enlarged exhibiting Schuffner's dots, the morphology of some trophozoites were amoeboid and the gametocytes almost filled the red cell. These participants are advised to re-examine their slides to look for the characteristic morphology associated with *Plasmodium ovale*.

Associated digital images of the intended results are available on our secure website; click on the DIST button to access intended results and images.

Teaching information regarding blood parasites can be found on <http://ukneqasmicro.org.uk/parasitology/>.

Repeat specimens

Repeat specimens can be supplied on request and participants are asked to contact organiser@ukneqasmicro.org.uk, quoting their laboratory number and specimen number, as soon as the intended results are displayed on the web or on receipt of their report.

Participants are advised to take a photograph of the results to use in case of queries for this distribution.

Enquiries

Telephone and written enquiries can be made to Dr. Jaya Shrivastava : +44(0)20 39081371
E-mail address: organiser@ukneqasmicro.org.uk

This report was authorised by Professor P L Chiodini, Parasitology Scheme Organiser and Dr Jaya Shrivastava, Parasitology Scheme Manager.

Participants are reminded to quote their Laboratory ID number in all correspondences.



As part of routine pre-distribution quality checks, 10 random samples were examined at the UK NEQAS Parasitology lab. The following results were obtained:

All stages of *Plasmodium ovale*

The result of this specimen was confirmed by the polymerase chain reaction technique.

5 specimens returned to the UK NEQAS Parasitology premises at the Halo building, London, gave the intended results.

Specimen : 4638 Giemsa stained thin blood film. Examine for parasites. Fever - ex Nigeria.

