

Antistreptolysin 1, 2018

Thank you for participating in the first Antistreptolysin round in year 2018. There were 58 participants from sixteen countries.

Specimens

The specimens consisted of two human specimens, which were from adults.

- ❖ **S001: LQ757118011** contained an elevated level of antibodies to Streptolysin-O.
- ❖ **S002: LQ757118012** contained an elevated level of antibodies to Streptolysin-O.

Results

In LabScala reports results are marked with green color and laboratory's own result with a black radio button. Change in the report layout: Please note that by default the distribution pies are closed in the scoring reports. You are able to open the distribution pies by clicking the screen button at the right end of the RESULT DISTRIBUTION row. In the scoring section you can see summaries of overall success rate and sample specific success rates (%). Sample specific interpretations are shown in pie diagrams as percentages and the total interpretation and methodics counts in the tables. The cumulative scoring data is calculated according to the order of the results. Therefore we recommend you to locate the results of your primary method to the top of the result form.

If you have no results you will get a note that you have not responded on time.

The participants of this EQA scheme are able to report three (3) results for each specimen in LabScala, when the material is sufficient for additional analysis. This opportunity is intended for different test kits or instruments of one testing unit.

Those laboratories that have performed quantitative analysis receive a compilation of results in their output group as histograms. Indicated values below the laboratory specific measuring range were omitted from data processing of histograms and averages.

The assigned value (mean) and other statistical parameters are calculated from the results that fall within the calculated limits for the group in question. The limits are obtained from the median value of the uncorrected results $\pm 3 \cdot$ uncorrected SD if the group includes at least seven results.

Guidelines how to interpret the reports can be found under "LabScala user instructions" in LabScala.

Comments

Both of the specimens in this round contained a clearly elevated level of anti-streptolysin O antibodies. The level of antibodies in sample S001 was mostly above 1000 IU/ml with the quantitative methods and in sample S002 above 2000 IU/ml. The acceptable interpretations were positive or positive/referred for quantification.

As a whole, this round went very well. High antibody levels are easily recognized in the participating laboratories.

2018-03-28

FINAL REPORT

Items sent	2018-02-12
Round closed	2018-03-09
Report released	2018-03-28

Product no. 5840
LQ757118011-012/US

The report contains

- Individual tables for interpretation (pos/neg) with laboratory specific scores
- individual histograms (if results have been returned) and a numerical summary of quantitative results (IU/mL)

Request for corrections

Typing errors in laboratory's result forms are on laboratory's responsibility. Labquality accepts responsibility only for result processing.

Requests must be notified by writing within three weeks from the date of this letter.

Expert

Docent Hanna Jarva,
Department of Immunology
HUSLAB, Helsinki, Finland

Authorized by

EQA Coordinator
Satu Eklund
T. +358 45 773 107 87
satu.eklund@labquality.fi

Labquality

Kumpulantie 15
FI-00520 HELSINKI

Telephone

+358 9 8566 8200

Fax

+358 9 8566 8280
+358 9 8566 8281

info@labquality.fi
www.labquality.fi

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Scoring

Scoring is implemented for each test when 60% or more of the laboratories report an expected result. This round is scored as follows:

	Negative	Weakly positive/ Weakly positive referred for quantitation	Positive/ Positive referred for quantitation
Sample			
S001	0 p.	0 p.	2 p.
S002	0 p.	0 p.	2 p.

The round is scored based on interpretations of test results and will be scored if 60% of the results are correct/expected. Following general rules are followed:

- Correct negative or positive test result interpretation 2/2 points.
- Partly correct test result interpretation 1/2 points.
- False negative or positive test result interpretation 0/2 points.

Laboratory's scores have been converted to percentage (own success rate, % from maximum scores) with a target at 100%. Own success rate is compared with the success rate of all results.

The reports of this round are available on **Labquality homepage** (www.labquality.fi).

Please **Login to LabScala** and fill in your laboratory's **client code/personal user name** and **password**. Then please choose **My Documents → View Reports**.

End of report

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