

External Quality Assessment Schemes

## Faecal calprotectin 2, 2018

Thank you for participating in this round. Please find enclosed the results of your laboratory. The round had 63 participants from 17 countries.

### Specimens

The specimens (S001: LQ775118021 and S002: LQ775118022) were lyophilized faecal specimens.

### Report

The output contains numerical summaries and histograms of the quantitative results and tables of the qualitative results. The results are grouped according to the used method. The used cut-off values are marked with the methods as the manufacturers have informed them. The results, which have marked with "<" or ">" are excluded from calculations and are not shown in summary tables. From the laboratory-specific histograms these results are also excluded.

The 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  $\pm 3 \times$  uncorrected SD if the group includes at least seven results.

### Interpretation of the results

You are now able to see the method specific histograms in the numerical summary. The name of the method is listed on top of the histogram picture. In laboratory-specific reports your own result is shown with an orange dot. The target area is presented as a yellow area in the picture. In the history graphs you are now able to see your performance graphically with both against the assigned value ( $x_{pt}$ ) and the z-score area of -2 -- +2.

**From the beginning of 2018 we have made some changes in the statistical calculations and reporting.** In case the client's result is the only one in the method group, no assigned value will be calculated, no target area shown, and no statistics calculated. In case there are 2-11 results in a method group and the uncertainty of the target value is too large ( $u(x_{pt}) < 0.1 \times$  maximum allowable error is not true) an automatic text is printed on the report: "The uncertainty of the assigned value is not negligible, and evaluations could be affected." In case there are 2-4 results in a method group, no z-score is calculated, and a text is printed on the report: "Due to the small number of results, the z score is not calculated." In case there are 5-11 results, the z-score is calculated and the report has a text: "Z score is uncertain due to the small number of observations."

Z-scores are calculated from the results of the EQA round concerned. Assessment of z-scores is based on the following criteria:

-2.0  $\leq z \leq$  2.0 is regarded as satisfactory;

-3.0 < z < -2.0 or 2.0 < z < 3.0 is regarded as questionable ('warning signal');

$z \leq -3.0$  or  $z \geq 3.0$  is regarded as unsatisfactory ('action signal').

Detailed instructions on interpretation of the results are given in LabScala (LabScala user instructions; EQAS interpretation guidelines).

Participants ordering paper printouts: the laboratory-specific histograms/tables, numerical summaries and report letter of this scheme are also available on Labquality's homepage ([www.labquality.fi](http://www.labquality.fi)). Please login to LabScala and fill in your laboratory's client code/personal user name and password. You are able to access your reports via LabScala by selecting "View reports" from the front page. Search for the specific scheme by name or code or press "Choose" to see all.

1/2

## FINAL REPORT

Product no. 2751  
LQ775118021-022/DE  
UN3373

Items sent	2018-05-07
Round closed	2018-05-25
Report released	2018-06-18

### The report contains

- individual histograms or tables (if results have been returned),
- numerical summary
- comments

### 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 of the date of this letter.

### Authorized by

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**Comments**

In this round there was one result for specimen S001, which was below the quantitation limit of the method (Eurospital Calprest, ELISA, < 27 mg/kg)

**End of report**

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