



QUALITY CONTROL for MOLECULAR DIAGNOSTICS

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Milan Bartos

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17 SEP 2010

Laboratory Code: CZ023

Dear Milan Bartos,

QCMD 2010 Legionella pneumophila DNA EQA Programme - Individual Report

Thank you for participating in this QCMD EQA Programme. Please find below the expected results for the programme and your laboratory's performance.

The QCMD EQA panels contain a range of samples, designed to look at different aspects of assay performance. Laboratories are expected to correctly analyse and report the core proficiency samples in order to show acceptable proficiency.

Table 1: Expected results of the programme in order of sample content and concentration.

| Sample | Sample Content * | Sample conc. ** | Sample Status | Sample Type † |
|---------|--------------------------|-------------------|-----------------------|---------------|
| LP10-01 | L. pneumophila sg1 (DNA) | 1.0E+04 gen.eq/ml | Frequently detected | Core |
| LP10-03 | L. pneumophila sg1 (DNA) | 1.0E+03 gen.eq/ml | Detected | Core |
| LP10-02 | L. longbeachae (DNA) | 1.0E+04 gen.eq/ml | Negative | |
| LP10-05 | L. pneumophila sg1 | 1.8E+05 cfu/ml | Frequently detected | Core |
| LP10-09 | L. pneumophila sg1 | 1.8E+04 cfu/ml | Frequently detected | Core |
| LP10-07 | L. pneumophila sg1 | 1.8E+03 cfu/ml | Frequently detected | Core |
| LP10-04 | L. pneumophila sg3 | 1.3E+04 cfu/ml | Detected | |
| LP10-08 | L. pneumophila sg3 | 1.3E+03 cfu/ml | Infrequently detected | |
| LP10-10 | L. micdadei | 1.0E+04 cfu/ml | Negative | |
| LP10-06 | L. pneumophila negative | | Negative | |

* Sample matrix: TE Buffer (10 mM Tris-HCl, 1 mM EDTA)/ Bronchoalveolar lavage.

** gen.eq/ml: Genome equivalents/ml. cfu/ml: Colony forming units/ml.

† Core proficiency Samples : Panel members are designated 'core proficiency samples' on the basis of scientific information, clinical relevance and clinical experience (published literature and professional clinical guidelines) and, where available and appropriate, established target performance limits taken from previous QCMD EQA distributions.

If you have any queries concerning this study please contact William MacKay in the QCMD Neutral Office (neutraloffice@qcmd.org).

Yours Sincerely,

Dr Anton Van Loon
QCMD Executive Co-ordinator



QCMD 2010: The data and report documents provided are intended for the sole use of the participant. It is based on material in our possession or supplied to us, which we believe to be reliable. Whilst every effort has been made to ensure its accuracy, we cannot offer any warranty that factual errors have not occurred. We therefore take no responsibility for any damage or loss that may be suffered by reason of any such inaccuracies.

The QCMD Programme is organised in collaboration with the European Society for Clinical Virology and the European Society for Clinical Microbiology & Infectious Diseases



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1. Analysis of your laboratory's Qualitative EQA data

Dataset code : 1

Date Submitted : 09 JUN 10

Analysis of your laboratory's performance on the core proficiency samples:

The core proficiency samples in this EQA programme were: LP10-01,LP10-03,LP10-05,LP10-09,LP10-07
 You reported 5/5 (100 %) of the core samples correctly.

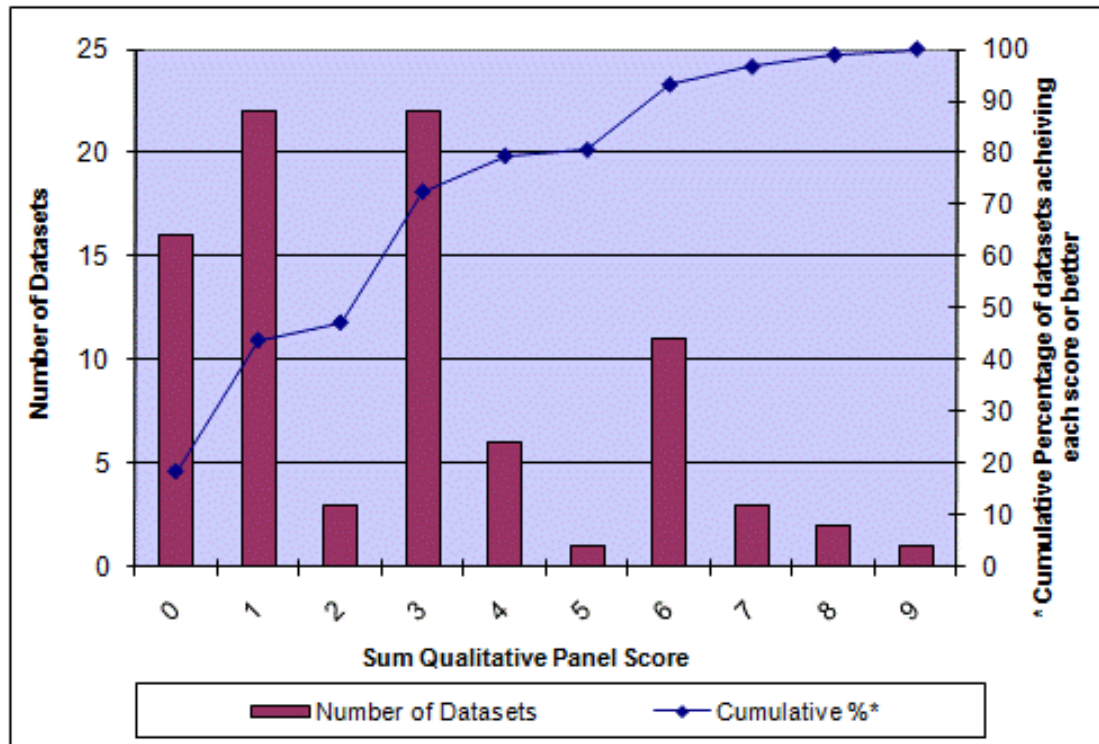
Of the total datasets reported by all participants in this EQA programme, 90.8 % reported correct results for all core proficiency samples.

Analysis of your laboratory's performance on all proficiency samples:

Table 2: Your laboratory's qualitative results and performance scores

| Sample | Sample Content | Qualitative | | | |
|-----------------------------|--------------------------|-----------------------|-------------|-------------------------|------------------------|
| | | Sample Status | Sample Type | Your qualitative result | Your qualitative score |
| LP10-01 | L. pneumophila sg1 (DNA) | Frequently detected | Core | positive | 0 |
| LP10-03 | L. pneumophila sg1 (DNA) | Detected | Core | positive | 0 |
| LP10-02 | L. longbeachae (DNA) | Negative | | negative | 0 |
| LP10-05 | L. pneumophila sg1 | Frequently detected | Core | positive | 0 |
| LP10-09 | L. pneumophila sg1 | Frequently detected | Core | positive | 0 |
| LP10-07 | L. pneumophila sg1 | Frequently detected | Core | positive | 0 |
| LP10-04 | L. pneumophila sg3 | Detected | | positive | 0 |
| LP10-08 | L. pneumophila sg3 | Infrequently detected | | positive | 0 |
| LP10-10 | L. micdadei | Negative | | negative | 0 |
| LP10-06 | L. pneumophila negative | Negative | | negative | 0 |
| Sum Qualitative Panel Score | | | | | 0 |

Figure 1: Sum Qualitative Panel Scores for all participants



The number of Qualitative datasets analysed : 87

The sum of the Qualitative Panel Score for your dataset is : 0

This maximum score was achieved by : 18.4 % of all datasets