



QUALITY CONTROL for MOLECULAR DIAGNOSTICS

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Milan Bartos

GeneProof, a.s.
Brno - 61500
Czech Republic.

06 AUG 2010

Laboratory Code: CZ023

Dear Milan Bartos,

QCMD 2010 Epstein-Barr virus 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 †
EBV10-01	Epstein-Barr Virus	164,059	Frequently detected	Core
EBV10-05	Epstein-Barr Virus	26,485	Frequently detected	Core
EBV10-10	Epstein-Barr Virus	22,909	Frequently detected	Core
EBV10-03	Epstein-Barr Virus	7,112	Frequently detected	Core
EBV10-07	Epstein-Barr Virus	3,041	Frequently detected	Core
EBV10-09	Epstein-Barr Virus	2,228	Frequently detected	Core
EBV10-08	Epstein-Barr Virus	2,213	Frequently detected	Core
EBV10-04	Epstein-Barr Virus	684	Detected	Core
EBV10-06	Epstein-Barr Virus	807	Detected	Core
EBV10-02	EBV Negative		Negative	Core

* Sample Matrix: Virus Transport Medium.

** Copies/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 : 21 MAY 10

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

The core proficiency samples in this EQA programme were:

EBV10-01,EBV10-05,EBV10-10,EBV10-03,EBV10-07,EBV10-09,EBV10-08,EBV10-04,EBV10-06,EBV10-02

You reported 10/10 (100.0 %) of the core samples correctly.

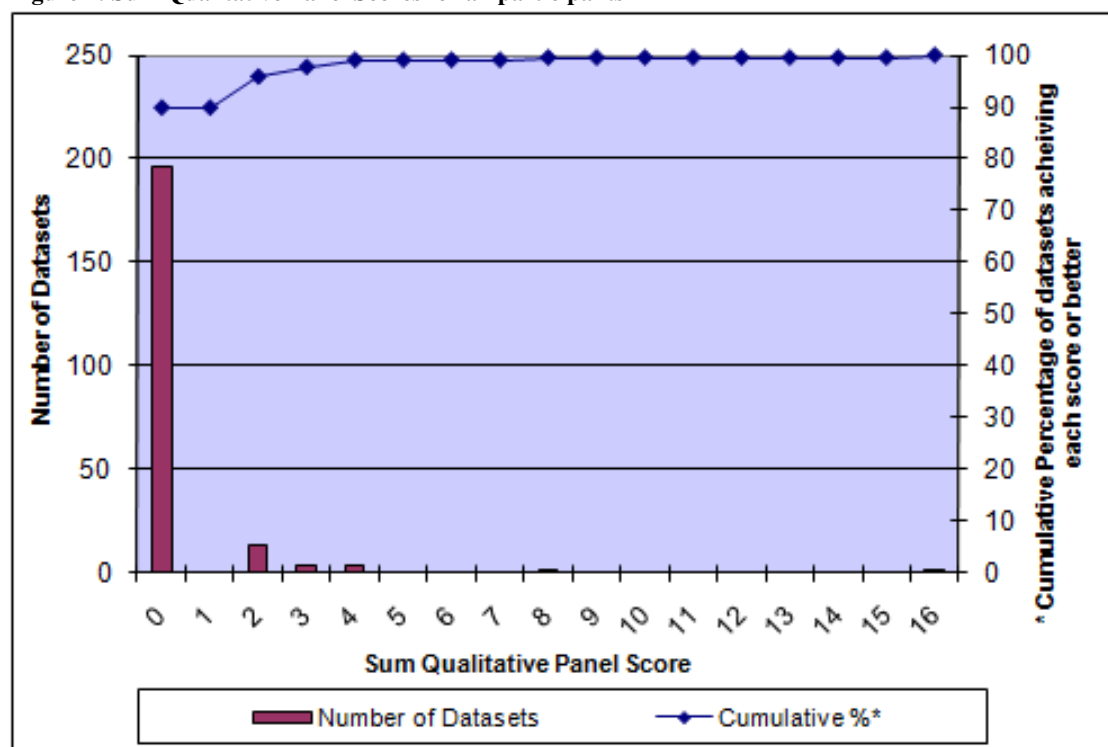
Of the total datasets reported by all participants in this EQA programme, 89.9 % reported correct results for all core proficiency samples.

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
EBV10-01	Epstein-Barr Virus	Frequently detected	Core	positive	0
EBV10-05	Epstein-Barr Virus	Frequently detected	Core	positive	0
EBV10-10	Epstein-Barr Virus	Frequently detected	Core	positive	0
EBV10-03	Epstein-Barr Virus	Frequently detected	Core	positive	0
EBV10-07	Epstein-Barr Virus	Frequently detected	Core	positive	0
EBV10-09	Epstein-Barr Virus	Frequently detected	Core	positive	0
EBV10-08	Epstein-Barr Virus	Frequently detected	Core	positive	0
EBV10-04	Epstein-Barr Virus	Detected	Core	positive	0
EBV10-06	Epstein-Barr Virus	Detected	Core	positive	0
EBV10-02	EBV Negative	Negative	Core	negative	0
Sum Qualitative Panel Score					0

Figure 1: Sum Qualitative Panel Scores for all participants



The number of Qualitative datasets analysed : 218

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

This maximum score was achieved by : 89.9 % of all datasets

2. Analysis of your laboratory's Quantitative EQA data

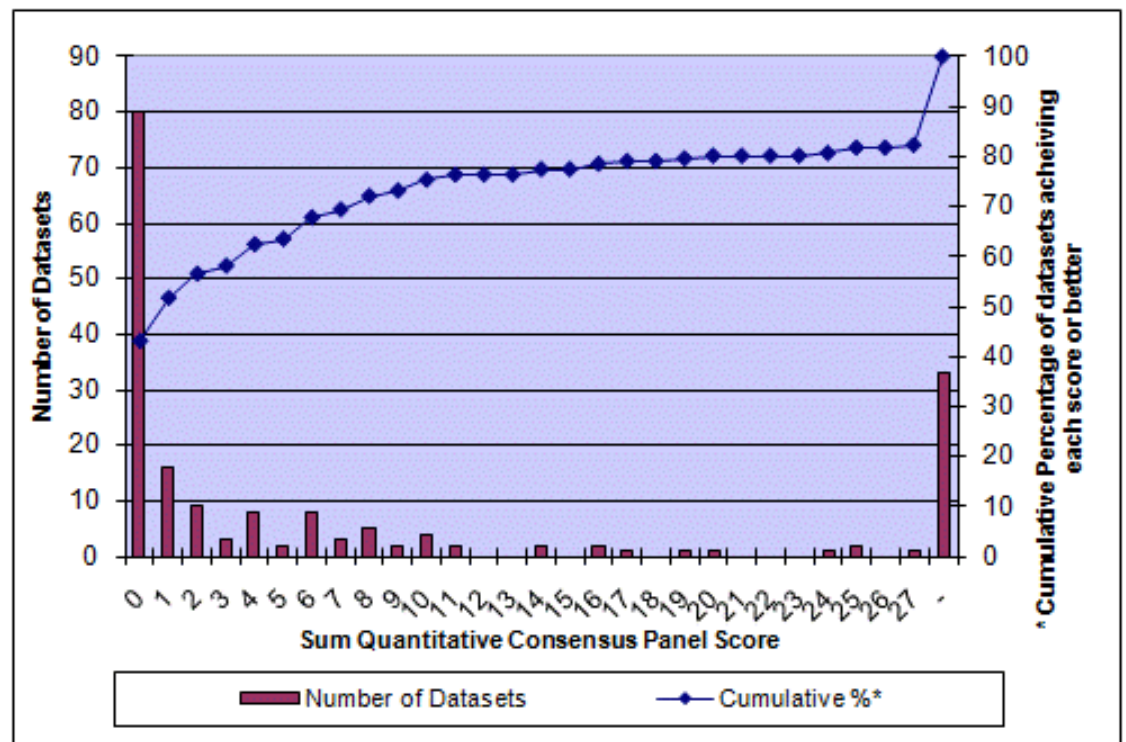
Table 3: Your laboratory's quantitative performance on the paired samples

Paired Samples	Sample Content	Median Difference (log)	Your difference (log)	Within 0.5 log units of the median
EBV10-01 and -05	Epstein-Barr Virus	0.753	0.572	Yes

Table 4: Your laboratory's quantitative results and performance scores

Sample	Sample Content	Quantitative		
		Your Result (log)	Your Consensus score	Your Technology score
EBV10-01	Epstein-Barr Virus	5.975	1	1
EBV10-05	Epstein-Barr Virus	5.403	1	2
EBV10-10	Epstein-Barr Virus	4.732	0	0
EBV10-03	Epstein-Barr Virus	4.079	0	0
EBV10-07	Epstein-Barr Virus	4.415	1	1
EBV10-09	Epstein-Barr Virus	3.699	0	0
EBV10-08	Epstein-Barr Virus	3.398	0	0
EBV10-04	Epstein-Barr Virus	3.398	0	1
EBV10-06	Epstein-Barr Virus	3.398	0	1
Sum Quantitative Panel Score			3	6

Figure 2: Sum Quantitative Consensus Panel Scores for all participants



The number of Quantitative datasets analysed : 186

The sum of the Quantitative Consensus Panel Score for your dataset is : 3

This score (or better) was achieved by : 58.1 % of all datasets