



CERTIFICATE OF ANALYSIS
EQAPOL Purified RNA Panel
Created for PATH Grand Challenges Program

Genetic Subtype B RNA Panel

Subtype: B
GenBank Accession Number: JX140657
Sample Concentration:

| Sample Name | CT ± SD (Roche Version 2.0) | Replicates Amplified (out of 10) |
|--------------------|--|---|
| DEGCBH.01 | 24.7 ± 1.1 | 10 |
| DEGCBM.01 | 32.3 ± 2.0 | 10 |
| DEGCBL.01 | 36.6 ± 2.2 | 7 |
| DEGCBVL.01 | 36.4 | 1 |
| DEGCBN.01 | N/A | N/A |

Co-receptor Usage (NP-2 Cell Assay): CCR5

Source Specimen Information

Source Contributor: Mike Busch, Blood System Research Institute
(BSRI, San Francisco, CA); Susan Stramer,
American Red Cross

Source Material: Plasma

Fiebig Stage of Source Plasma: I/II (Nat Yield)

Country of Origin for Source Specimen: USA

Age: Unknown

Sex: Unknown

Race: Unknown

Risk: Unknown

Year of Donation for Source Specimen: 2009

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Genetic Subtype C RNA Panel

Subtype: C

GenBank Accession Number: JX140667

Sample Concentration:

| Sample Name | CT ± SD (Roche Version 2.0) | Replicates Amplified (out of 10) |
|--------------------|--|---|
| DEGCCH.01 | 22.2 ± 0.6 | 10 |
| DEGCCM.01 | 29.6 ± 1.3 | 10 |
| DEGCCL.01 | 33.3 ± 1.2 | 10 |
| DEGCCVL.01 | 35.9 ± 2.4 | 6 |
| DEGCCN.01 | N/A | N/A |

Co-receptor Usage (NP-2 Cell Assay): CCR5

Source Specimen Information

Source Contributor: Mike Busch, Blood System Research Institute (BSRI, San Francisco, CA); Marion Vermeulen, South Africa National Blood Service

Source Material: Plasma

Fiebig Stage of Source Plasma: Indeterminate (Nat Yield)

Country of Origin for Source Specimen: South Africa

Age: 16

Sex: F

Race: Black

Risk: Unknown

Year of Donation for Source Specimen: 2008

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Genetic Subtype D RNA Panel

Subtype: D
GenBank Accession Number: JX140670
Sample Concentration:

| Sample Name | CT ± SD (Roche Version 2.0) | Replicates Amplified (out of 10) |
|--------------------|--|---|
| DEGCDH.01 | 24.3 ± 1.4 | 10 |
| DEGCDM.01 | 31.2 ± 1.3 | 10 |
| DEGCDL.01 | 35.9 ± 2.3 | 10 |
| DEGCDVL.01 | 37.0 ± 2.5 | 3 |
| DEGCDN.01 | N/A | N/A |

Co-receptor Usage (NP-2 Cell Assay): CCR5/CXCR4

Source Specimen Information

Source Contributor: Indira Hewlett, Laboratory of
Molecular Virology, CBER/FDA
Source Material: Viral Culture Supernatant
Fiebig Stage of Source Plasma: VI
Country of Origin for Source Specimen: Cameroon
Year of Donation for Source Specimen: 2010
Age: Unknown
Sex: Unknown
Race: Unknown
Risk: Unknown

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Notes

All oral presentations or written publications concerning research utilizing EQAPOL samples should include the following acknowledgement: "This work has been supported in whole or part with federal funds from the National Institute of Allergy and Infectious Diseases, National Institutes of Health, Contract Number NOI-AI-85341." The provider(s) of source material should also be acknowledged in oral presentation and written publications.

A handwritten signature in black ink, appearing to be "C. F. H.", is written above a horizontal line.

Quality Assurance Signature

30/JAN/13

Date