ABL Advanced Biological Laboratories

ULTRAGENE HIV-1

QUAL & QUANT

VIRAL LOAD ASSAYS

RAPID & ULTRA SENSITIVE MOLECULAR TESTING FOR HIV-1

Providing Lab Efficiency for Optimized Patient Monitoring

Research Use Only - Proprietary, ABL S.A.

contact@ablsa.com
http://www.ablsa.com

THE SOLUTION

The **ULTRAGENE HIV-1** QUAL & QUANT Viral Load Assays are fast and ultra-sensitive real-time PCR tests that provide qualitative detection and quantification of HIV-1 RNA or proviral DNA from plasma, serum, whole blood or dried blood spot samples.

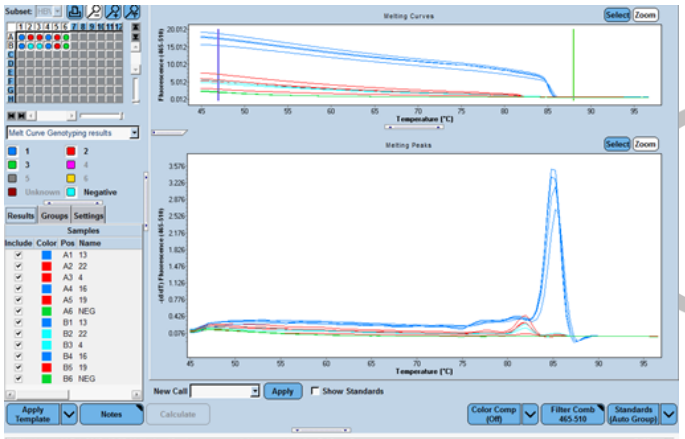
The **ULTRAGENE HIV-1** QUAL & QUANT Viral Load Assays generate PCR amplicon of the reverse transcriptase HIV-1 gene which can be used as a reflex testing on positive samples for genotyping and drug resistance analyses of NRTIs and NNRTIs drugs.

Intended uses

- Detection of acute infection
- Adherence monitoring
- Treatment monitoring
- Drug resistance assessment

Extraction	Plate Preparation	qRT-PCR	Virus Detection
30 min	10 min	1h30	10 min

QUAL ASSAY

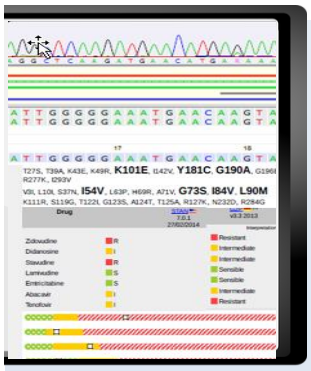


Negative

Viral load not detectable

Positive => Viral load > 15 cp/mL

Reflex Genotyping Testing



GENOTYPING
DRUG RESISTANCE

DEEPCHEK®-HIV
RT/PROT & INT ASSAYS

EFFICIENCY

Amplicons ready for sequencing:

- Genotyping, drug resistance…
- Time efficiency
- Cost efficiency
- Sample volume efficiency
- Patient does come twice at the lab

Research Use Only - Proprietary, ABL S.A.

contact@ablsa.com
http://www.ablsa.com

ABL Advanced Biological Laboratories

COMPOSITION

FORMAT

- From 1 to 24 sample reactions per assay
- Format suited to 96 reactions is available

CONTENT

- Real-time PCR enzyme
- Real-time PCR Master Mix
- HIV-1 RT amplification primers
- Water
- Calibrated positive controls (QUANT version only)

PERFORMANCES

LIMIT OF DETECTION	▪ Serum/Plasma samples: 15 cp/mL (95% CI 20-30) ▪ Dried Blood Spot: 400 cp/mL (95% CI 380-420)
CHARACTERISTICS	▪ 500µL plasma/serum/whole blood ▪ Pan-genotypic ▪ Reproducibility >99% ▪ Covered positions: RT: 1-320
EASY & RAPID	▪ 140 minutes run time ▪ Hands-on time: <30 min
EFFICIENCY	▪ Cost-effective ▪ From 1 to 96 samples per run ▪ Reflex genotyping testing on RT/PROT/INT (using the DeepChek®-HIV assays), compatible with SANGER & Next Generation Sequencing CE-IVD software for genotyping analysis

Research Use Only - Proprietary, ABL S.A.

contact@ablsa.com
http://www.ablsa.com

REFERENCES & CONTACT

ULTRAGENE HIV-1 Viral Load QUAL Assay (RUO)

- Up to 24 samples K-17-UHIV24
- Up to 96 samples K-17-UHIV96

ULTRAGENE HIV-1 Viral Load QUANT Assay (RUO)

- Up to 24 samples K-17-UQTHIV24
- Up to 96 samples K-17-UQTHIV96

RELATED PRODUCTS

- DeepChek®-HIV RT / PR Genotyping Assay (RUO) K-16-H2-RTPR24
- DeepChek®-HIV INT Genotyping Assay (RUO) K-17-H2-INT
- DeepChek®-HIV V3 Loop/Tropism Assay (RUO) K-17-H2-V3
- DeepChek®-HIV Software (CE-IVD) . . . . . S-12-023 (HUS)
- ViroScore®-HIV / ViroScore®-HIV Premium Software (CE-IVD) . . . . . S-09-014 (VSH)

ULTRAGENE Viral Load Assays (RUO) also available for: HCV, HBV, Tuberculosis

CONTACT

- Advanced Biological Laboratories S.A.
- 17, rue des Jardiniers, L-1835 Luxembourg

- contact@ablsa.com
- http://www.ablsa.com
- TEL : (+352) 26 38 96 761
- FAX : (+352) 26 38 96 76 31

Research Use Only - Proprietary, ABL S.A.