ULTRAGENE HIV-1
QUAL & QUANT
VIRAL LOAD ASSAYS

RAPID & ULTRA SENSITIVE MOLECULAR TESTING FOR HIV-1

Providing Lab Efficiency for Optimized Patient Monitoring
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

**Efficiency**

- Amplicons ready for sequencing:
  - Genotyping, drug resistance...
  - Time efficiency
  - Cost efficiency
  - Sample volume efficiency
  - Patient does come twice at the lab

**Reflex Genotyping Testing**

- Negative: Viral load not detectable
- Positive => Viral load > 15 cp/mL

**The Solution**

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