



LyteStar™ HIV-2 RT-PCR Kit

Detection of HIV-2 RNA by
real-time PCR

Reliable HIV-2 Detection

The LyteStar™ HIV-2 RT-PCR Kit is a ready-to-use *in vitro* diagnostic test, based on real-time PCR technology, for the detection of HIV-2 specific RNA (Figure 1). The assay includes a heterologous amplification system (Internal Control) to identify possible PCR inhibition, monitor the nucleic acid extraction procedure and to confirm the integrity of the reagents of the kit (Figure 2).

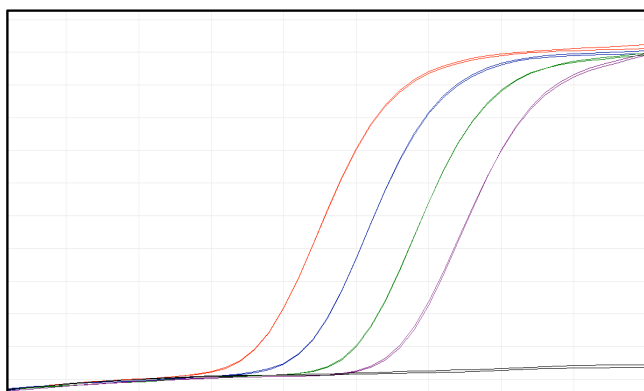


Figure 1: HIV-2 positive samples (Channel 1)

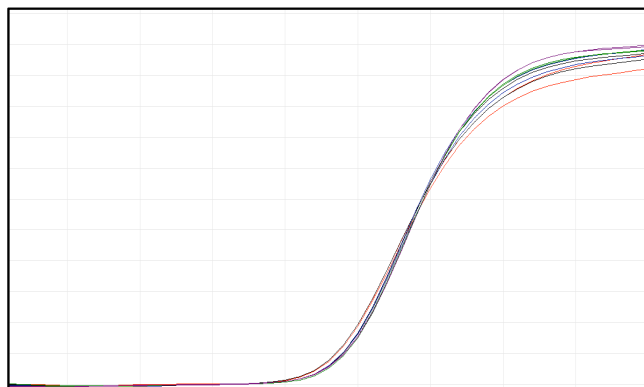
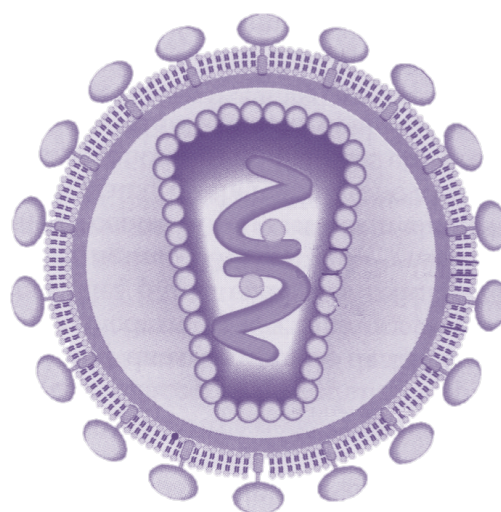


Figure 2: Detection of the Internal Control (Channel 2)



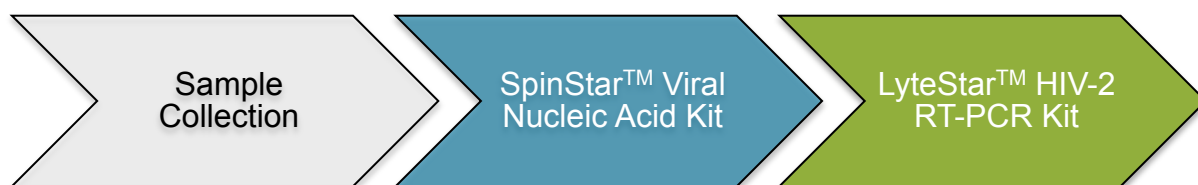
LyteStar™ HIV-2 RT-PCR Kit

- Analytical sensitivity including extraction: 63.3 IU/ml ($p \leq 0.05$)
- Highest specificity: Specific detection of HIV-2 subtypes A & B, no cross reactivity with HIV-1 or any other tested pathogen
- Internal Control to monitor PCR inhibition and extraction efficiency and validate HIV-2 negative results
- Quantified Positive Control to allow semi-quantitative data analysis
- Validated for Rotor-Gene™ 3000/6000, Rotor-Gene™ Q 5/6plex Platform (Qiagen), CFX96 (BioRad), ABI Prism® 7500 SDS and 7500 Fast SDS (Applied Biosystems)

Recommended Sample Preparation

SpinStar™ Viral Nucleic Acid Kit

The SpinStar™ Viral Nucleic Acid Kit is designed for the simultaneous purification of viral DNA and RNA from fresh or frozen human serum and plasma. The extracted DNA and/or RNA is ready to use for any downstream application where highly purified nucleic acids are required.



Order Information

Product	Content	Reactions	Cat. No.
LyteStar™ HIV-2 RT-PCR Kit	Master A, Master B, Quantified Positive Control (PC; HIV-2), Internal Control (IC), PCR-grade Water	96	864003
SpinStar™ Viral Nucleic Acid Extraction Kit	SpinStar™ Columns, Collection Tubes, Lysis Buffer, Wash Buffer 1, Wash Buffer 2, Carrier RNA, Proteinase K, Elution Buffer	100	811803
SpinStar™ Pretreatment Solution	Pretreatment Solution	100	812803

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