



REALQUALITY RQ-HIV DNA

Detection and Quantification
of HIV-1 DNA by Real-Time PCR

REALQUALITY RQ-HIV DNA
is a Real-Time PCR assay for qualitative
and quantitative detection of HIV-1 DNA
in the peripheral blood mononuclear cells

DESCRIPTION

REALQUALITY RQ-HIV DNA is a Real-Time PCR assay for qualitative and quantitative detection of HIV-1 DNA. The quantification of the HIV DNA viral load in the peripheral blood mononuclear cells is considered a useful tool for therapeutic management of patients. HIV DNA viral load is an important marker for monitoring the HIV reservoir in HAART-treated patients when RNA viral load is undetectable by current diagnostic methods.

In addition, the molecular detection of HIV DNA is particularly useful for the diagnosis of HIV in mother-to-child transmission cases. These babies can carry maternal antibodies for up to 18 months, therefore, viral DNA detection can help determine the real HIV status of newborns.

PRODUCT CHARACTERISTICS:

- The kit is designed for the detection of HIV-1, group M, subtypes A, B, C, F, G, AE, AG
- Target genes: LTR and *gag*
- For quantitative analysis the kit must be used with quantification standards REALQUALITY RQ-HIV DNA STANDARD (from 2×10^2 to 2×10^5 copies/rx)
- Ready-to-use PCR mastermix, includes dUTP/UNG system to prevent carry over contamination
- Internal control: amplification of β -globin gene (BG) in multiplex with viral target genes
- Positive control included
- Shelf life: 12 months

SPECIMENS

Peripheral blood mononuclear cells

COMPATIBLE INSTRUMENTATION

Applied Biosystems 7500 Fast/Fast Dx Real-Time PCR System (*Applied Biosystems*)

ORDER INFORMATION

Code	Product	Format
RUO-RQ-125-4M	REALQUALITY RQ-HIV DNA	50 tests
RUO-RQ-125-6M		100 tests
RUO-RQ-126-SM	REALQUALITY RQ-HIV DNA STANDARD	4 x 105 μ L

This product uses technology patented for use in human diagnostics by Biosearch Technologies