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viral Human Immunodeficiency Virus 1 (HIV-1) p24

Alternate names: HIV-I, HIV1, HIVI, Human Immunodeficiency Virus I

Catalog No.: AR05171PU-N

Quantity: 0.5 mg

Background: HIV is a highly variable virus which mutates very readily. This means there are many different strains of HIV, even within the body of a single infected person. The strains of HIV1 can be classified into three groups : the "major" group M, the "outlier" group O and the "new" group N. These three groups may represent three separate introductions of simian immunodeficiency virus into humans. Group O appears to be restricted to West-Central Africa and group N, discovered in 1998 in Cameroon, is extremely rare. More than 90% of HIV1 infections belong to HIV1 group M.

Species: viral

Source: Viral

Format: **State:** Liquid purified protein
Purity: >95.0% by HPLC analysis and SDS-PAGE
Buffer System: 1.5M urea,Tris-HCl pH8.0 containing 50% glycerol

Applications: ELISA.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Description: Human Immunodeficiency Virus (HIV), produced in *E. coli*, the causitive agent of Acquired Immunodeficiency Syndrome, is a retrovirus belonging to the genus lentivirus. Mature p24 is cleaved from the gag gene product and forms the viral capsid, encapsulating the genomic RNA-nucleocapsid complex in the virion.

Storage: Store the protein at -20°C.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.