



HIV-1 IC_x/CR_x Kit

Reagents for Immune Dissociation and Reactivity Confirmation

ZMC Catalog #: 0801096

FOR RESEARCH USE ONLY. Not for *in vitro* Diagnostic Use

INTENDED USE

The RETRO-TEK HIV-1 IC_x/CR_x Kit is supplied for research purposes only. It is not intended for use in the diagnosis or prognosis of disease or for screening and may not be used as a confirmatory test in diagnostic situations.

HIV-1 p24 antigen may be detectable at the onset of an infection with the Human Immunodeficiency Virus Type 1 (HIV-1), prior to seroconversion and late in infection as the disease progresses to AIDS. However, during the ARC (AIDS Related Complex) phase of the disease, p24 antigen assays have had limited utility, since the majority of patients produce both anti-p24 antibody and p24 antigen and form immune complexes. These immune complexes may either interfere with or prevent the measurement of p24 antigen by conventional immunoassays^{2,3}.

The RETRO-TEK HIV-1 IC_x/CR_x Kit complements the RETRO-TEK HIV-1 p24 Antigen ELISA (ZMC Catalog #: 0801111). The IC_x/CR_x Kit contains two sets of reagents, each of which may provide supplemental information that enhances the detection of p24 antigen in serum or plasma:

- The Immune Complex Dissociation (IC_x) Reagents may identify serum or plasma specimens in which p24 antigen is masked by antibody.
- The Confirmation Reagents (CR_x) may confirm the reactivity of positive specimens.

REAGENTS

Materials Supplied:

- **IC_x Acid, 25 ml:** Contains glycine-HCl. (Reagent A)
- **IC_x Base, 25 ml:** Contains tris-HCl and sodium azide. (Reagent B)
- **IC_x Positive Control, 1 ml:** Contains human source material with p24 immune complexes (heat inactivated) and sodium azide. (Reagent C)
- **IC_x/CR_x Negative Control, 1 ml:** Contains human source material non-reactive for antibodies to HIV-1 and non-reactive for HIV-1 p24 antigen and sodium azide. (Reagent D)
- **CR_x Control Reagent, 1ml:** Contains human source material non-reactive for antibodies to HIV-1 and non-reactive for HIV-1 p24 antigen, Triton X-100® and sodium azide. (Reagent E)
- **CR_x Neutralization Reagent, 1 ml:** Contains human source material with antibodies to HIV-1 (heat inactivated), Triton X-100® and sodium azide. Non-reactive for HIV-1 p24 antigen.

® Triton X-100 is a registered trademark of Rohm and Haas.

Storage:

Store all kit reagents at 2° - 8°C. DO NOT FREEZE. When stored properly the kit is stable until the date indicated on the box label.

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Trial Version