

Title (en)

REAGENT SYSTEM AND KIT FOR DETECTING HIV INFECTED CELLS

Title (de)

REAGENZSYSTEM UND AUSRÜSTUNG ZUR ERKENNUNG HIV-INFIZIERTER ZELLEN

Title (fr)

SYSTEME REACTIF ET TROUSSE POUR LA DETECTION DE CELLULES INFECTEES PAR LE VIH

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Application

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Abstract (en)

[origin: WO9816101A1] This invention relates to blood collection and diagnostics. More particularly, the invention relates to blood collection and diagnostics utilizing techniques such as magnetic separation and photodetection. The present invention also relates to methods and an apparatus for detecting the presence of antigens displayed on the surface of cells. More preferably, the present invention relates to the detection of cells infected by human immunodeficiency virus (HIV) and related viruses. In accordance with the present invention, HIV-infected cells can be detected and separated from uninfected cells. In a preferred embodiment, separation is achieved by a magnetic field. By coating the infected cells with magnetic particles, transfer of the cells to a precise location is facilitated. A novel aspect of the present invention is a cartridge antigen test which allows for the collection and mixing of blood with reagents in one package, which can be viewed on a fluorescent microscope.

IPC 1-7

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