

The invention relates to medicine, in particular to a method for identifying a marker of hemotransmissible infection caused by HTLV-1/2 and can be used for laboratory diagnostics for scientific or practical purposes.

Summary of the invention consists in conducting an immunoenzyme assay, which includes the development of a control reagent, comprising negative anti-HTLV-1/2 serum and a neutralizing control, comprising positive anti-HTLV-1/2 serum, then it is used a plate with wells for anti-HTLV -1/2, into which are added reagents: 100 µl of control reagent is added into well A1, 100 µl of neutralizing control is added into well B1, 40 µl of test diluent comprising 10% phosphate buffer solution, 0.14 bovine serum, albumin and 10 µl of test serum, and 50 µl of control reagent is added into wells C1, E1 and G1, and 40 µl of test diluent comprising 10% phosphate buffer solution, 0.14 bovine serum, albumin and 10 µl of test serum, and 50 µl of neutralizing control is added into wells D1, F1 and H1, then the samples are incubated at a temperature of 37°C, for 30 min, afterwards all wells are washed 5 times with buffer solution, comprising Tris-HCl buffer, 0.5% Tween 20 and 0.1% Proclin mM 300 and diluted with distilled water in a ratio of 1:25, then into all wells, except A1, is added 100 µl of conjugated enzyme, comprising anti-human immunoglobulin IgG and peroxidase, afterwards are incubated at a temperature of 37°C, for 60 min, then all wells are re-washed 5 times with buffer solution and is added 50 µl of chromogen, comprising phosphate citrate buffer solution, hydrogen peroxide and 50 µl of substrate, comprising tetramethylbenzidine buffer solution and are incubated at a temperature of 18...24°C, for 30 min, afterwards the reaction is stopped by adding 100 µl of 0.5 M sulfuric acid, then are determined the optical density values at a wavelength of 450/620 nm and calculated by the formula: control reagent/neutralizing control for anti-HTLV-1/2, if the ratio is less than 2.0 it is determined a negative result, and if it is more than 2.0 – a positive result.

Claims: 1