

Abstract**METHOD FOR ASSIGNING ANTIBODY STANDARD AND DETERMINING
MINIMUM DETECTION LIMIT OF ANTIBODY DETECTION REAGENT**

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A method for assigning an antibody standard and determining the minimum detection limit of an antibody detection reagent specifically includes the following steps: S1, determination of a neutralized antigen equivalent of an antibody standard or a sample: an antigen with a known purity and concentration is subjected to a gradient dilution using a matrix, an equal
10 amount of an antibody standard or antibody-containing sample is added to each of the gradient diluents with different concentrations respectively, and after a reaction, each mixture is subjected to an antibody detection using a first antibody detection reagent, to determine the neutralized antigen equivalent of the antibody standard or sample; S2, determination of an antibody titer of the sample: the antibody-containing sample in the step S1 is subjected to a
15 gradient dilution using a matrix, and a gradient diluent of each dilution is subjected to an antibody detection using a second antibody detection reagent, to determine the antibody titer; and S3, acquisition of the minimum detection limit of an antibody detection reagent: the determined neutralized antigen equivalent of the sample is multiplied by the determined antibody titer of the sample, to acquire the minimum detection limit of the second antibody
20 detection reagent.