

Title (en)
KIT AND PROCESS FOR TESTING A STATE OF IMMUNIZATION IN A SUBJECT WITH RESPECT TO A PATHOGENIC MICROORGANISM

Title (de)
KIT UND VERFAHREN ZUM TESTEN EINES IMMUNISIERUNGSZUSTANDS IN EINER PERSON IN BEZUG AUF EINEN PATHOGENEN MIKROORGANISMUS

Title (fr)
KIT ET MÉTHODE D'ANALYSE D'UN ÉTAT D'IMMUNISATION CHEZ UN SUJET PAR RAPPORT À UN MICRO-ORGANISME PATHOGÈNE

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Application
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Abstract (en)
[origin: WO2022175842A1] A kit for testing a state of immunization in a subject with respect to a pathogenic microorganism comprises: - a container containing at least one target ligand, characteristic of the pathogenic microorganism, the target ligand being in dried or lyophilized form; - a lateral flow test device with a flow path defined by a test strip which includes a receiving zone, a conjugation zone and a detection zone. At least one labelled anti-ligand, specific for the target ligand, is reversibly immobilized in the conjugation zone of the test strip, and at least one capture anti-ligand is irreversibly immobilized in the detection zone of the test strip. The target ligand is intended to be mixed with a buffer solution and a biological sample of the subject, to obtain a test sample, and test strip is configured for causing a flow of the test sample adducted to the receiving zone through the conjugation zone and the detection zone in such a way that: - if the target ligand is completely masked by antibodies present in the biological sample, during passage of the test sample through the test strip, the target ligand cannot form a complex neither with the labelled anti-ligand nor with the capture anti-ligand, - if the target ligand is not completely masked by antibodies present in the biological sample, during passage of the test sample through the test strip, the target ligand forms a complex with the labelled anti-ligand, dragging the labelled anti-ligand therewith, and subsequently forms a complex also with the capture anti-ligand, and - possible absence or presence of the labelled anti-ligand in the detection zone, at the capture anti-ligand, is optically detectable at the detection zone to enable to infer thereby information concerning a state of immunization of the subject.

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See references of WO 2022175842A1

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