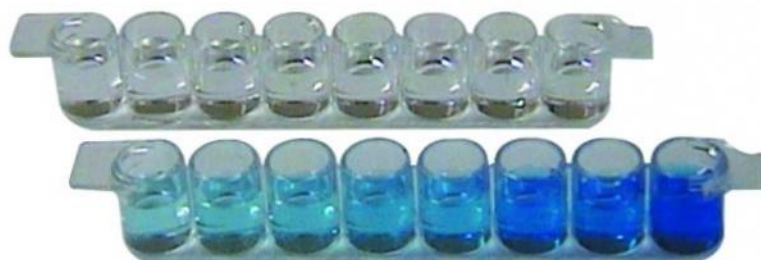


References : ELISA, ELISAECO



Adaptive immunity

Classic kit

Cognitive objectives:

Fundamental aspects of the functioning of the immune system: The example of AIDS. Technique identical to the AIDS test.

Detection and assay of antibodies by the ELISA technique (micro- titrage on Sheet).

Proposed activity:

Assay an anti-BSA rabbit antibody using a BSA-lined support and couple peroxidase with rabbit immunoglobulin rabbit antibody.

We supply you with ready-to-use Sheets. You perform a standard range of dilution of the antibody to be assayed (anti-BSA) as well as some controls including a serum non-immune against BSA. In addition, each pair of students will be able to assay an immune serum of unknown concentration by comparing it to the standard range.

Results obtained:

The higher the concentration of anti-BSA antibody deposited, the more intense the blue colouring.

Composition (for 24 pairs of students):

- 24 snap-off strips of 8 micro titrage cups with flat or round bottom
- 2 strip holders
- PBS-Tween buffer

- PBS x 10
 - 110µl of rabbit serum immunised against BSA
 - 110µl of non-immunised rabbit serum
 - 50µL of anti-rabbit immunoglobulin antibody coupled with peroxidase
 - 10ml of sterile water
 - 10ml of TMB revealing solution
- Technical and educational instructions available on the site.

Necessary material:

0 to 200µl Micropipettes (Reference MSR200)

Conservation: 6 months

Serums and antibodies in the freezer

The rest in the refrigerator

Réf : ELISA

Simplified kit

This kit makes it possible to test the presence or absence of antibodies.

Quick to implement, since there is no need to carry out a standard range to achieve this PW.

The delivered strips are snap-off and make it possible to create 32 positions with 3 wells: a positive control, a negative control, and the solution to be tested.

Composition (for 24 pairs of students):

- 12 snap-off strips of 8 micro titrage cups with flat or round bottom
 - 1 strip holder
 - PBS-Tween buffer
 - PBS x 10
 - 50µl of rabbit serum immunised against BSA
 - 500µl of non-immune rabbit serum
 - 25µL of anti-rabbit immunoglobulin antibody coupled with peroxidase
 - 10 ml of sterile water
 - 5 ml of TMB revealing solution
- Technical and educational instructions available on the site.

Réf : ELISAECO