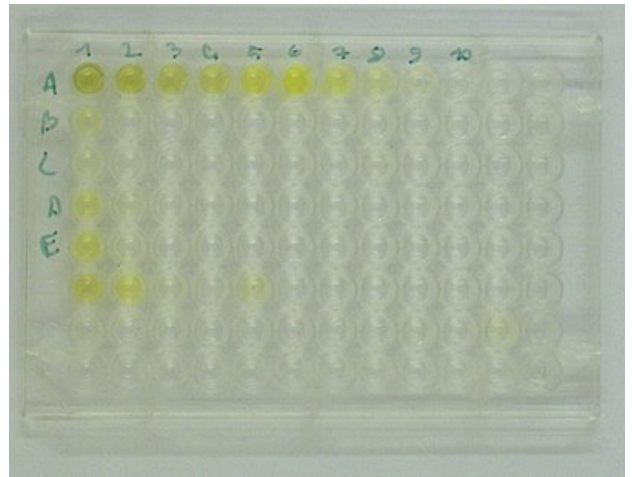


Laboratory determination of specific IgE antibodies

Specific IgE antibodies are determined by EIA/ELISA, RIA.

- we do not measure the concentration of IgE against pollen, we do not obtain the concentration of antibodies; we get a number that consists of two components:
 1. serum antibody concentration
 2. its binding activities,
- the more it binds, the more concentration we get: the result may be skewed,
- **solid-phase change**: pollen antigen is bound here, no antibody is present; if there is anti-pollen IgE in the serum, it binds to the antigen in the variable region,
- after washing the tube, add a secondary antibody labelled with an enzyme or radioisotope,
- **we determine the affinity of antibodies**: it is the binding through binding sites (decrease of more affine antibodies or increase of fewer affine antibodies).



ELISA

Links

Related Articles

- Allergens
- Anaphylaxis

References

- HOŘEJŠÍ, Václav – BARTŮŇKOVÁ, Jiřina. *Základy imunologie*. 3. edition. Praha : Triton, 2008. 280 pp. ISBN 80-7254-686-4.