

# METHODS OF MULTICOMPONENT (MULTIPLEX) IMMUNOASSAY OF SPECIFIC IgE TO ALLERGOCOMPONENTS IN PATIENTS WITH IgE-DEPENDENT ALLERGY

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**Abstract.** Component-resolved diagnostics or molecular allergy diagnostics has found application in the practice of an allergist. It is used to map a patient's allergenic sensitization at the molecular level, using purified natural or recombinant allergenic molecules in place of extracts. Multiplex methods for determining the concentration of specific IgE in the blood serum allow to characterize the repertoire of IgE sensitization of the patient, to create an allergological «passport» of the patient. There are ISAC (Immuno Solid-Phase Allergen Chip — ISAC), which includes the determination of IgE to 112 allergens and ALEX2 (Allergy Explorer — ALEX2), which includes the determination of IgE to 295 allergens.

**Key words:** molecular allergology, major and minor allergen components, ISAC & ALEX2 multicomponent tests.

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