

All available peanut components are needed for a complete risk assessment

Risk assessment with ImmunoCAP® Molecular Allergology

f 13 (peanut) + Ara h 1 + Ara h 2 + Ara h 3

f 13 + Ara h 2

f 13 + Ara h 9

f 13 + Ara h 8

Risk for reaction

Risk for severe reaction

High risk for severe reaction

FACTORS TO CONSIDER:

- Sensitization to several allergen components
- Local exposure
- Level of exposure
- Level of Specific IgE

PROTEIN GROUPS:

Storage proteins:

- Ara h 1
- Ara h 2
- Ara h 3
 - Associated with severe reactions
 - Stable to heat and digestion

PR-10 protein:

- Ara h 8
 - Associated with local reactions (e.g. OAS)
 - Labile to heat and digestion
 - Associated with allergy to birch and birch related tree pollens

LTP:

- Ara h 9
 - Associated with both severe and local reactions
 - Stable to heat and digestion
 - Associated with allergy to peach and peach related fruits

Suspicion of peanut allergy – risk for severe reaction?

RECOMMENDED TEST PROFILE:

Peanut (f 13) and Ara h 1 and Ara h 2 and Ara h 3 and Ara h 9* and Ara h 8*

RESULTS:

Peanut (f 13) + Ara h 1 / Ara h 2 / Ara h 3 + Ara h 9* + Ara h 8*

+

+

+

-



Risk for severe reactions to peanut

+

-

+

+



Risk for reactions to peanut due to cross-reactivity

* According to local exposure