

Suggested test profile

ImmunoCAP®
COMPLETE
ALLERGEN



Walnut (f256)

ImmunoCAP®
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COMPONENTS



Jug r 1
(f441)

+

Jug r 3
(f442)

Jug r 1

- Storage protein (2S albumin)
- Heat and digestion stable
- Highly abundant in walnut
- Associated with systemic reactions

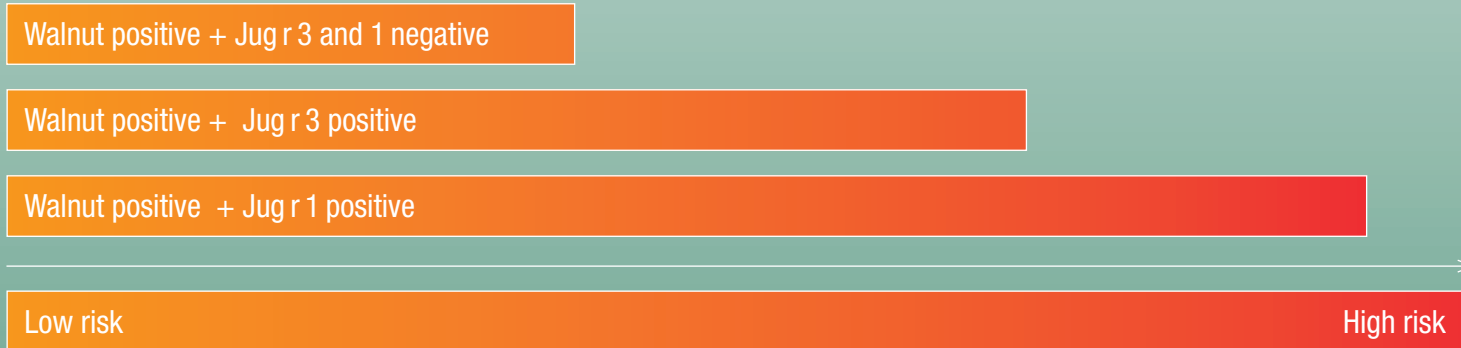
Jug r 3

- Lipid transfer protein (LTP)
- Heat and digestion stable
- Associated with local as well as systemic reactions

A positive f256 with negative Jug r 1 and Jug r 3 results may be explained by sensitization to:

- Other walnut storage proteins
- Cross-reactivity with pollen proteins like profilin or PR-10 proteins. Due to high degree of similarity markers like Bet v 2 (profilin) and Bet v 1 (PR-10) may be used
- CCD (cross-reacting carbohydrate determinants)

slgE to Jug r 1 and Jug r 3 are associated with increased risk for systemic reactions



Risk assessment

The risk of causing reactions is related to the protein amount and stability

