

TITLE: OPTIMIZED METHOD FOR THE DETECTION AND QUANTIFICATION OF ALLERGENS IN FOOD MUSTARD

FIELD OF INTEREST

Biotechnology and Molecular diagnostics (Allergy, Biotechnology Industry, Food Industry)

CLINICAL NEED

Most commercially available test for the detection and quantification of allergens in food products are based on ELISA or PCR assays with limits of detection (LOD) in the range of 0.1 to 10 mg kg⁻¹ 20 (ppm).

DESCRIPTION OF THE INVENTION

Method for the detection of mustard allergens (Sin a 1) in food that allows sensitive analysis of trace elements.

TECHNOLOGY KEYWORDS

Sin a1, Sin a2, Food mustard, Allergen, liquid chromatography-mass spectrometry, MRM (Multiple Reaction Monitoring)

IPR STATUS

Patent application number: P201430990.

Application: IIS-FJD

TYPE AND ROLE OF PARTNER

Looking for commercial partners interested in licensing.

Contact details:

Innovation Unit

e-mail: irene.ruano@fjd.es

Phone number: 0034-915504800 Ext.3455