

Genetically modified soybeans: false-positive detection in fermented natural soybean (tempe)

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Abstract	Tempe was prepared using mixtures of natural soybean and genetically modified Roundup Ready (RUR) soybean fermented with natural <i>Rhizopus</i> sp. The amount of RUR soybean was quantified using an ELISA plate test. The RUR signal decreased during fermentation. In the control experiments on fermentation of non-RUR soybean, the tempe gave a false-positive RUR signal. The cross-reacting substance was generated only in non-RUR soybean during fermentation by <i>Rhizopus</i> sp., <i>Rhizopus oligosporus</i> , <i>R. oryzae</i> , <i>Mucor rouxii</i> and <i>Aspergillus awamori</i> .
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