

Technical Datasheet

Analysis Name:	GM-Soya Quantification by RTi-PCR
Method Number	LI-00.390
Scope of Application:	DNA extracted from raw materials, derivatives (e.g. flour, semolina, grits) & finished products.
Description:	A PCR system was developed to amplify respectively both the soya endogenous Lectin Le1 gene and the construct-specific target for each GM-soya events (RRS, A2704-12, MON89788, DP-305423, DP-356043, or MON87701) in such a way that both amplifications are carried out in the same well without any interference (multiplex PCR). For this purpose, two fluorescent probes, respectively specific for the GM-soya and the soya lectin Le1 gene are used in the same assay, in addition to the forward and reverse PCR primers. The probes for the GM-soya events and Le1 are FAM and VIC labeled, respectively.
Sample Weight Required:	DNA extracted from LI-00.385
Analytical Platform:	Real-Time PCR

Analyte Reported	Unit of Measure	Limit of Quantification (LOQ)
RRS	% (m/m)	0.05
A2704-12	% (m/m)	0.01
MON89788	% (m/m)	0.01
DP-305423	% (m/m)	0.01
DP-356043	% (m/m)	0.05
MON87701	% (m/m)	0.05