

ROUND UP READY SOYKIT Real Time

Real Time PCR GMO Detection Kit

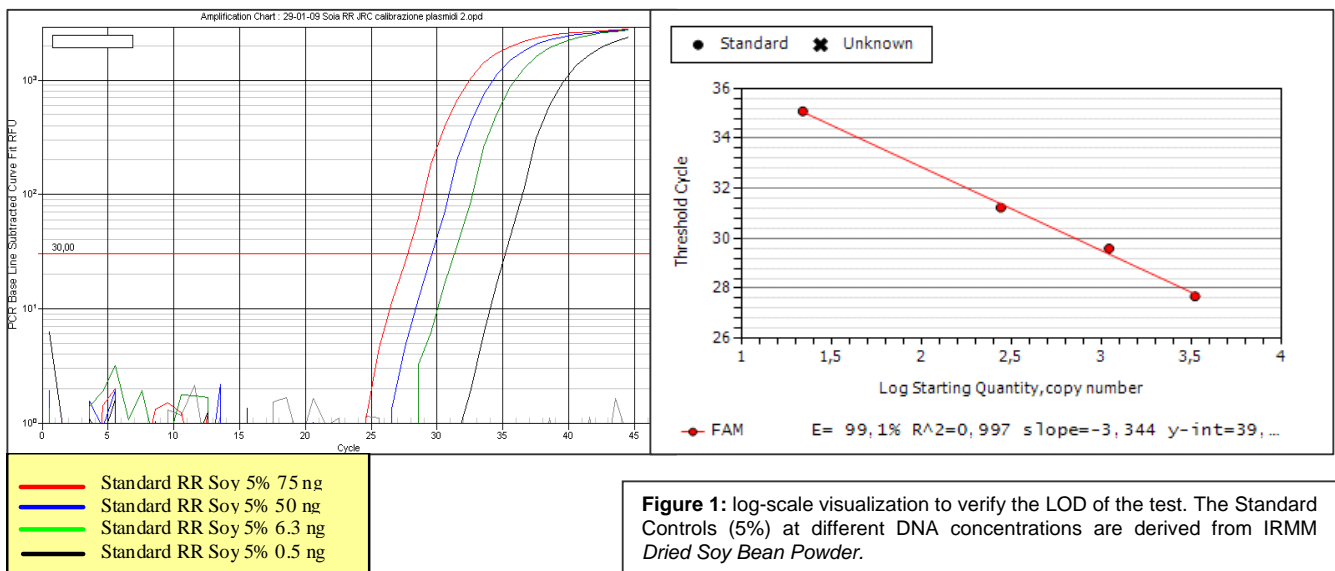
Real time PCR RoundUp Ready® Soy Detection Kit

Product code: IC-02-2018 (50 tests) / IC-02-2019 (100 tests)

Brief description

ROUNDUP READY® SOYKIT REAL TIME provides reagents for the qualitative detection, through Real-Time PCR, of event-specific 40-3-2 (RoundUp Ready®) soybean DNA, that is the most known and spread out EU authorized GMO. This PCR Real Time kit amplifies an 84-bp DNA fragment of the recombinant region between the insert and the plant genome, as verified by the original JRC method, detected by hybridisation with a probe labelled with fluorescent dyes. The increase in fluorescence is continuously measured in a PCR real-time detection instrument (see figure 1).

ROUNDUP READY® SOYKIT REAL TIME has been derived from the validated JRC method "Event-specific Method for the Quantification of Soybean Line 40-3-2 Using Real-time PCR".



Technical features

Number of test

50/100 reactions

Kit content

Mix Test RR Soy –RR Probe– DNA positive control – sterile H₂O DNase free

Specificity

the specificity of this system has been verified with several species (conventional or transgenic) normally used in food production (RoundUp Ready® Canola (RT200), RoundUp Ready® Canola (RT73), Conventional Canola, RoundUp Ready® Corn (GA21), RoundUp Ready® Corn (NK603), YieldGard® Corn Borer Corn (MON810), YieldGard® Rootworm/ RoundUp Ready® Corn (MON88017), YieldGard® Rootworm Corn (MON863), Lysine Maize (LY038), Conventional Corn, RoundUp Ready® Cotton (MON1445), Bollgard® Cotton (MON531), Bollgard® Cotton (MON757), BollgardII® Cotton (MON15985), Conventional Cotton, Conventional Soybean, RoundUp Ready® Wheat (MON71800), Conventional Wheat, Lentil, Quinoa, Sunflower, Buckwheat, Pinenuts, Rye berries, Millet, Barley, Basmati rice, Peanut.). No cross-reactivity effects have been revealed.

Sensitivity

5 copy of soy haploid genome equal to roughly 5.65 pg of transgenic *Glycine max* DNA line 40-3-2 (see figure 1).

LOD

up to 0.045% RoundUp Ready® Soy in 200 ng of total soybean DNA.

Detection

probe labelled with fluorescent dyes (Taqman®) - FAM

