



GMO



GMO SCREENING BY REAL-TIME PCR

ALS Malaysia now offers an expanded range of screening targets, which allows a more accurate identification of GMO events.

Genetic Modified Organisms (GMO)

Organisms that has genetic makeup modified in a laboratory, mainly plants or microorganisms.

% of GMO in Cultivated Crops Worldwide

- Soybeans: >80%
- Cotton: ~70%
- Corn & canola: ~25 %



The main producing countries are the USA, Brazil, Argentina, Canada and India. According to EU Regulation 1829/2003 and 1830/2003, GMO content of more than 0.9% in foods and ingredients must be labelled. Other countries and regions have similar rules with similar limits and for Malaysia it is 3%. To comply with all the regulatory requirements, it is recommended to test raw materials and finished products for GMO content.

-- Regulation (EC) No 1830/2003 on the traceability and labelling of genetically modified organisms (GMOs) and the traceability of food and feed products produced from GMOs

GMO Screening with RT-PCR

Sample preparation in lab



DNA extraction



ALS GMO Package 1

- P-35S
- T-NOS
- P-FMV

ALS GMO Package 2

- bar
- P-35S-pat
- CTP2-CP4-EPSPS
- P-NOS-nptII
- P-35S-nptII



Sample size required: 20 grams
Turnaround time: 3 working days
Limits of Detection : 0.01% to 0.1%
Quantitative Analysis available

Talk to us



WhatsApp: +60 12-698 7154

Email: marketing.my@alsglobal.com

Follow us



marketing.my@alsglobal.com

www.alsglobal.com
 RIGHT SOLUTIONS RIGHT PARTNER

HQ Shah Alam +603 7845 8257

Other Sites:

Johor Bahru Pulau Pinang
 Kota Kinabalu Kemaman
 Ipoh Melaka