



Species*Quant* Botanical Impurity Soy

The term “botanical impurities” is used to describe the adventitious presence of ingredients from plant species, which are neither listed in the ingredient list nor on the product label. They can e.g. occur as cross contamination in the global transport chain of raw material procurement.

Botanical impurities containing genetically modified organisms (GMOs) may have an effect on the marketability or the labelling requirements of the final product. Non-approved GMOs, even as constituent of a botanical impurity, are not allowed in food in the EU, a zero tolerance applies. In case of approved GMOs, the portion of the botanical impurity in the raw material is crucial. In the EU, labelling requirements are relevant depending on the percentage of the botanical impurity and the GMO content of the product.

With **Species*Quant* Botanical Impurity Soy** the percentage of the botanical impurity can be determined. This kit enables testing laboratories to determine if the GMO content of the botanical impurity has an impact on the labelling requirements of the final product.

Kit Specifications

- Applicable to soy impurities regardless of the sample type species
- First commercial kit for the quantification of soy as a botanical impurity
- Validated for the following real-time PCR cyclers:
 - MX3000P
 - MX3500P

Kit Components

- Reagents and consumables for DNA extraction (further components needed additionally)
- All required real-time PCR reagents
- Excel™-sheet for automatic output of results
- Comprehensive manual

Ordering Information

Cat. no	Kit
5421231001	Species<i>Quant</i> Botanical Impurity Soy (NR) Kit for DNA extraction and real-time PCR quantification (on MX3000P/MX3500P) of soy as botanical impurity in max. 44 samples

Further Kits Within this Scope

- **GMOScreen RT IPC (LR) GM Soy I for ABI 7500 (Fast)**
for comprehensive GMO detection in soy (LR) on ABI 7500 Fast, contains
 - GMOScreen RT IPC 35S/NOS/FMV
 - GMOScreen RT IPC CV127/SAMS-ALS
 - GMOScreen RT IPC AgroBorder I/II.
- **GMOScreen RT IPC (NR) GM Soy I for MX3005P/MX3000P and LC480**
for comprehensive GMO detection in soy (NR) on MX3005P/MX3000P and LC480, contains
 - GMOScreen RT IPC 35S/NOS/FMV
 - GMOScreen RT IPC CV127/SAMS-ALS
 - GMOScreen RT IPC AgroBorder I/II.