

# GREES DNA KIT FOOD

## General Rapid Easy Extraction System DNA Kit

### Universal Kit for genomic DNA extraction from Food and Feed

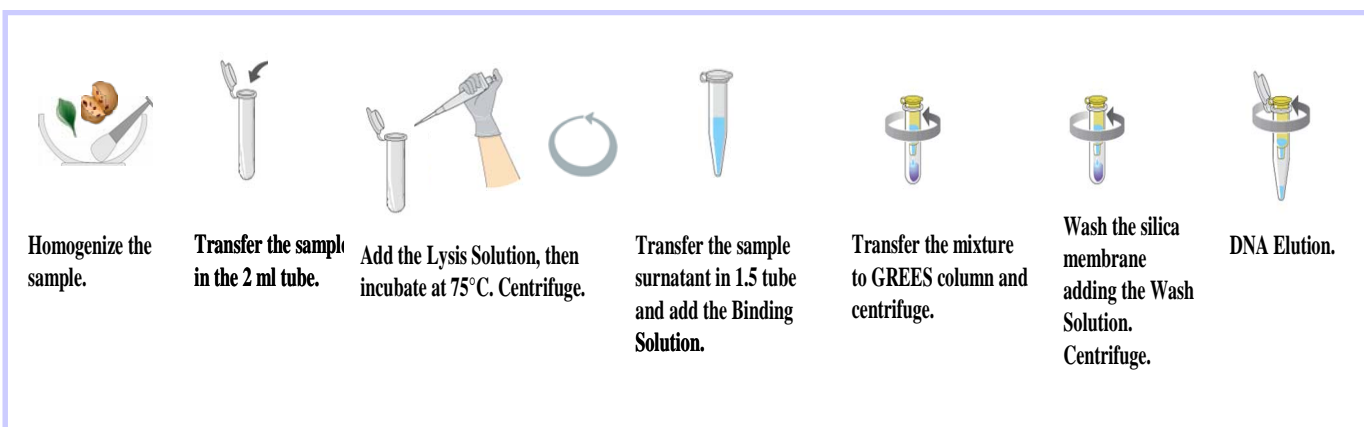
Product code: IC-02-0095 (50 extractions)

#### Introduction

**GREES (General Rapid Easy Extraction System) DNA Kit FOOD**, studied in order to improve and maximise the process of the extraction of genomic DNA from food products, fresh and processed, and feed, allows the recovery of a DNA sufficiently cleaned up not to inhibit enzymes as the *Taq* polymerase.

**GREES DNA kit FOOD** is intended for preparation of DNA to use in several control test on food matrices as GMO, Food allergens, Food fraud detection.

#### An illustrative scheme:



#### Technical Features

<b>Number of test</b>	50 extractions
<b>Kit components</b>	Lysis Solution, Binding Solutions, Wash Solutions, Elution Solution, 2ml Tubes for lysis, GREES columns.
<b>Functionality</b>	the extraction system is able to isolate genomic DNA from different kind of matrices (see Box below) suitable for PCR, PCR Real Time applications.
<b>Time of execution</b>	approximately 60 minutes for 10 homogenized samples.

#### Kit functionality – Samples verified

##### Vegetable tissues:

**Leaf** – grape-vine, garlic, tomato, potato, zucchini, apricot tree, hazelnut tree, rosemary, olive tree.

**Shoot** - lupin, chickling vetch.

**Fruit/Seed** - grapefruit, kiwi, peach, apricot, hazelnut, walnut, pistachio, cashew, coconut, armelline, maize, soya, coffee, anise.

**Tuber** - potato, Jerusalem artichoke.

##### Animal tissue :

**Muscle** - bovine, swine, crustacean, shellfish.

**Liver** – swine, bovine.

**Blood.**

##### Food samples:

**Flour** – 00 type, 0 type, whole-wheat, gluten free.

**Bakery product**- bread, breadstick, biscuits, stuffed biscuits, cake, breakfast cereals.

**Jam, Fruit Juices.**

**Chocolate and cocoa based products.**

**Milk and milk-based products** - yoghurt, cream cheese, matured cheese.

**Spices** - basil, cumin, wild fennel, mint, sage, thymus, rosemary.

**Cold cut**– salami, pistachio Bologna.

**Sauces.**

**Tofu.**

**Canned Tuna in olive oil.**

##### Feed:

**Mineral fodder.**

**Hay.**

**Corn mash.**

**Corn silage.**