

GREES DNA KIT FOOD

General Rapid Easy Extraction System DNA Kit

Universal Kit for genomic DNA extraction from Food and Feed

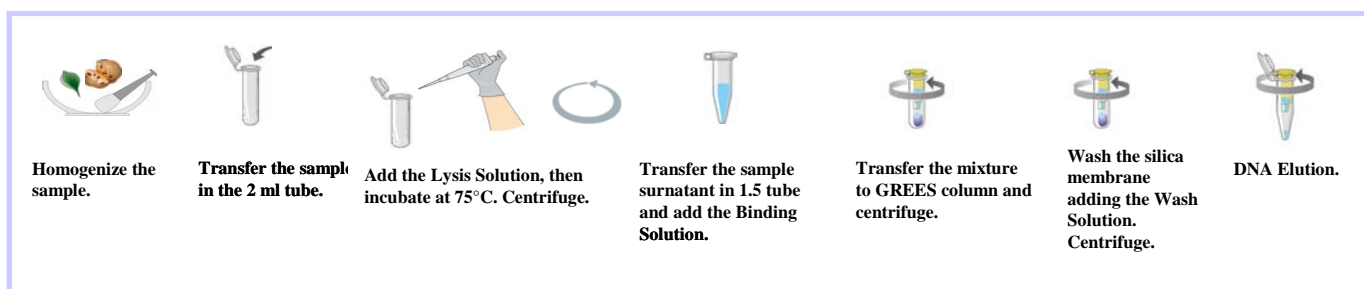
Product code: IC-02-0095 (50 extractions)

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

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