

# PLANT DNA Amplification Control KIT

Real Time PCR Chloroplast Amplification Control Kit *Real Time*

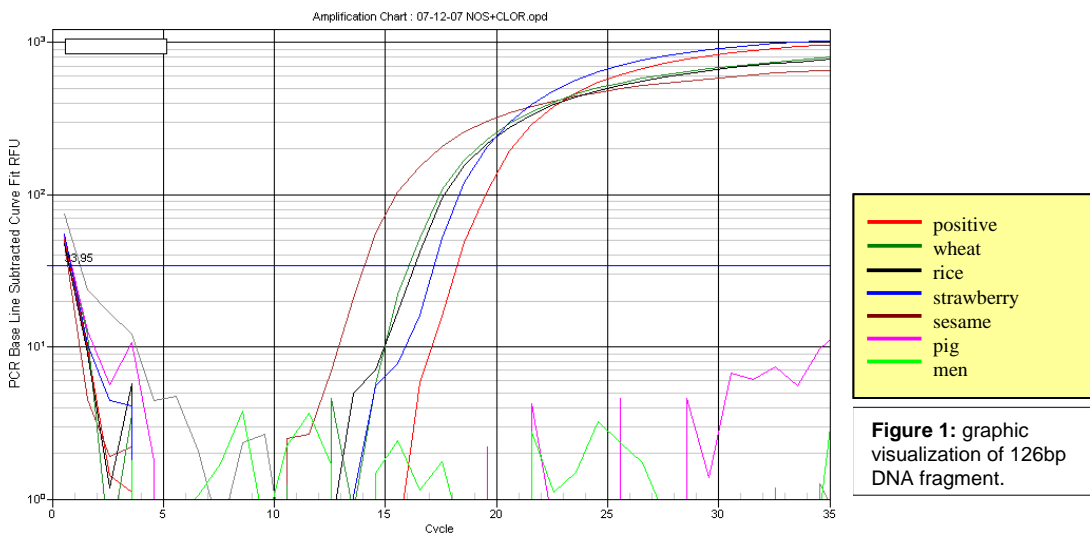
## PCR Real time test for the evaluation of plant DNA amplifiability

Product code: IC-02-0092 (50 test) / IC-02-0093 (100 test)

### Introduction

**PLANT DNA AMPLIFICATION CONTROL KIT** is capable of revealing the presence of plant DNA in the sample thus confirming the success of the extraction steps; the duplex PCR reaction allows in addition to verify the presence within the sample of possible masked inhibition effects.

The use of **PLANT DNA AMPLIFICATION CONTROL KIT** is particularly suggested in Real Time PCR analysis based on products for human and animal applications: detection of GMOs, allergens, identification of species and food frauds.



### Technical features

<b>Number of test</b>	50/100 reactions.
<b>Kit content</b>	Mix Test <i>Amplification Control</i> – DNA positive control – sterile H <sub>2</sub> O DNase free
<b>Specificity</b>	the kit is based on the amplification, by PCR Real Time, of a chloroplastic marker, universally present in the majority of flowering food plants ( <i>Magnoliophyta</i> ); particularly this chloroplastic marker is genetically maintained within <i>Liliopsida</i> (monocotyledon plants) and <i>Eudicotyledons</i> (dicotyledon), both representative of the majority of food plants. For specific details, please refer to NCBI taxonomy: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . The amplified DNA segment of 126 bp is detected by hybridisation with a probe labelled with fluorescent dyes (see Figure 1).
<b>Detection</b>	probe labelled with fluorescent dyes (Taqman®) – FAM and JOE