

A light blue world map is centered on a darker blue background. The map shows the continents of North America, South America, Europe, Africa, Asia, and Australia. Overlaid on the map is the text "FAST ID". "FAST" is in a bold, italicized, black serif font. "ID" is in a bold, black sans-serif font, enclosed within a red circular logo that has two horizontal white lines passing through its center.

***FAST* ID**

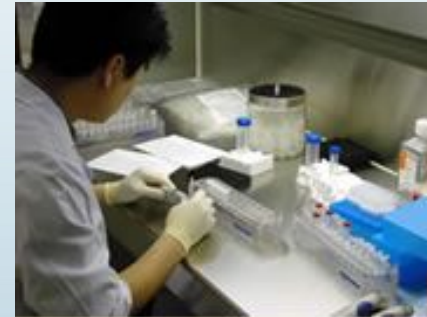
# ***Introducing* FAST**



The increasing demand for genetic analyses of an immensely wide range of samples makes the availability of high quality DNA a necessity. Ten years of performing tens of thousands of complex DNA analyses in our world wide laboratories allowed us to create a time saving extraction procedure that more easily produces a higher DNA quality which enables better PCR Efficiencies. This was a key element in our processes to deliver accurate and consistent reports to our clients. In our approach we used the very best principles and research available and significantly improved on them outperforming many commercial kits on the market.

## Extracted DNA Can Be Used For:

- PCR (Polymerase Chain Reaction Amplification)
- Cloning
- Restriction Digestion
- Sequencing
- Other Applications



**All Fast ID kits include specially developed membrane-columns for faster performance. We also use unique formulas in our buffers and reagents for lysis and purification.**



# Genomic DNA Extraction Kit Components

- 1) Genomic Lyse Buffer
- 2) Genomic Bind Buffer
- 3) Genomic Wash Buffer
- 4) DNA Binding Columns
- 5) Proteinase K
- 6) 1xTE

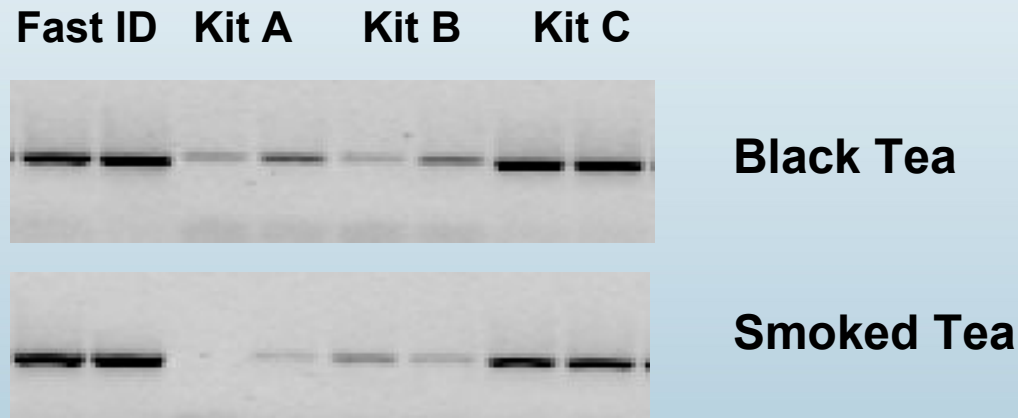




## **DNA Extraction Kits Competitively priced in:**

- 50 Reaction Kit Genomic
- 200 Reaction Kit Genomic

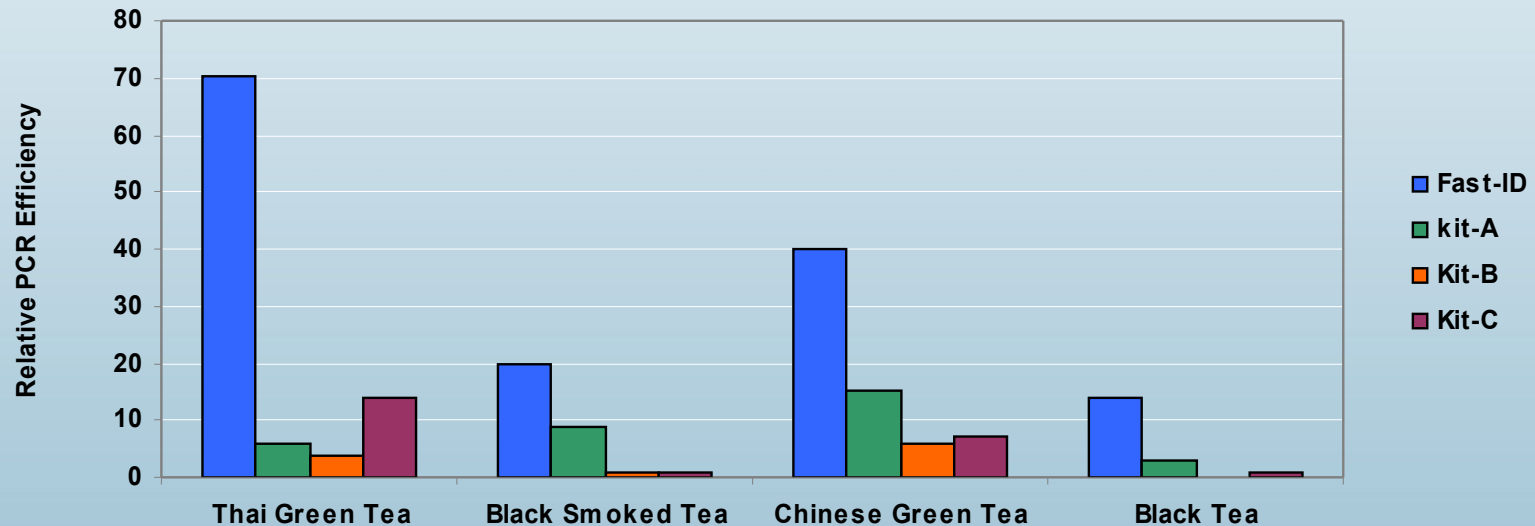
# Genomic DNA Extraction Kit: Performance



**PCR result for tea analysis: Genomic Fast ID DNA extraction kit yields significantly higher PCR efficiency.**

# Genomic DNA Extraction Kit: Performance

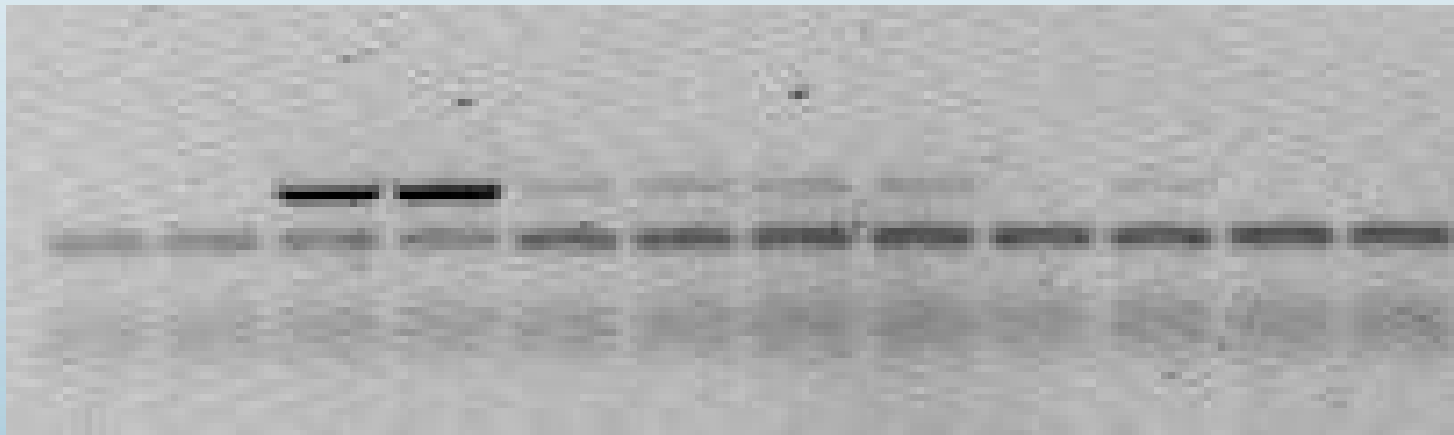
Comparison of Relative PCR efficiency of Tea extracted with different extraction kits.



Quantification become less accurate with samples having a PCR efficiency of less than 10%. When Comparing Fast ID DNA extraction kits to other major brands with slightly processed or fermented genomic material a significant difference can be seen.

# Genomic DNA Extraction Kit: Performance

## Tobacco



**NTC**

**Fast ID**

**Kit A**

**Kit B**

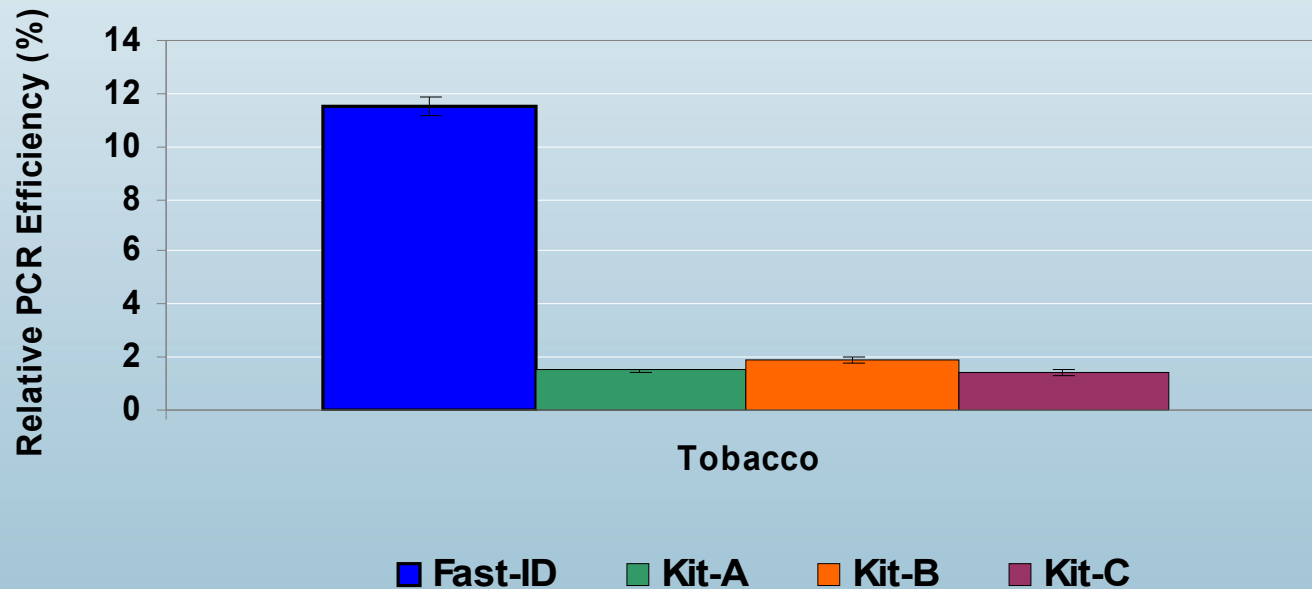
**Kit C**

**NTC**

In this sample tobacco from cigarettes rather than tobacco leaf material was used. Only DNA extracted with the Genomic Fast ID kit resulted into a satisfactory PCR signal.

# Genomic DNA Extraction Kit: Performance

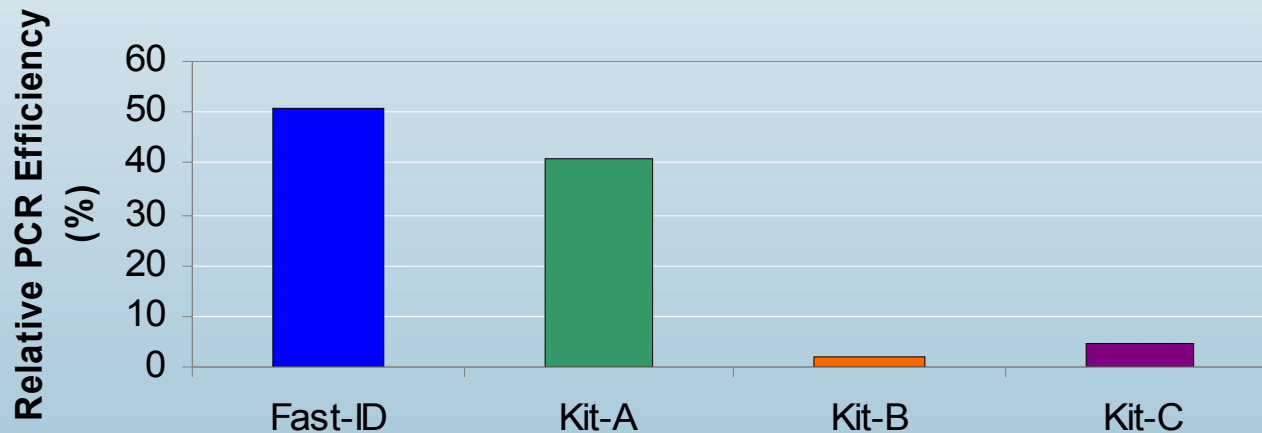
Comparison of Relative PCR efficiency of Tobacco extracted with different extraction kits.



When cigarette tobacco was extracted with different kits and the DNA subjected to Real Time PCR, we categorically found that many other kits produced much less than 10% PCR efficiency. Only DNA purified with Genomic Fast ID kit had satisfactory PCR efficiencies to allow quantifications.

# Ultra Genomic DNA Extraction Kit: Performance

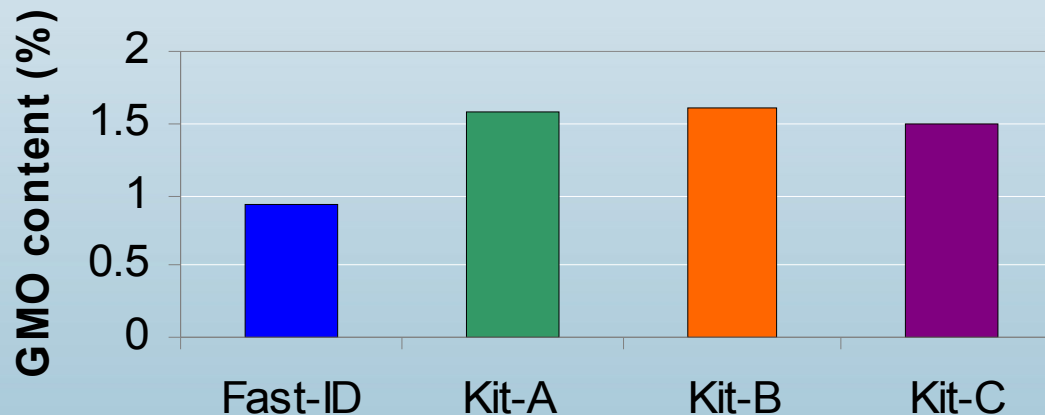
**Comparison of Relative PCR Efficiency of a 1% Soy Flour sample extracted with different extraction kits**



GMO Quantifications become less accurate with samples having a PCR efficiency of less than 10%. In many cases Fast ID DNA extraction kits will produce a significantly higher PCR Efficiency which is critical for accurate evaluation where other leading kits produce close to or less than 10%.

# Ultra Genomic DNA Extraction Kit: Performance

**Comparison of GMO content of a 1% SF sample extracted with different extraction kits**



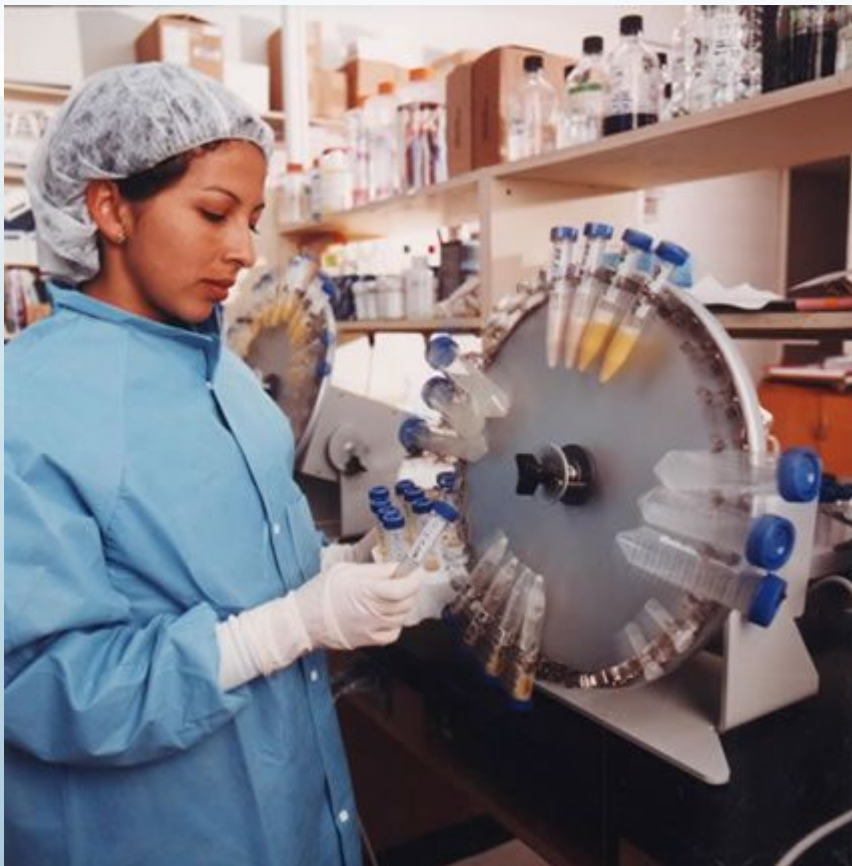
**When we test a sample of known quantity of GMO such as 1% Soy Flour (SF) reference material and compare results of DNA purified with Food Fast ID kit or other kits we find Fast ID purified DNA registers closest to 1%. This indicates more accurate results of samples with unknown GMO Quantities when extracted with the Fast ID kit.**

# Validation

## High PCR Efficiency

Fast ID was developed by Genetic ID. Fast ID is used in our testing laboratory which operates according to the ISO 17025 standard. Our laboratory compared PCR efficiency, using a variety of different genomic and complex food samples, and accuracy of reference material results with other leading extraction kits. Fast ID consistently produced a significantly higher PCR efficiency and satisfactory accuracy. Our international subsidiaries and other outside independent laboratories have concurred with our findings.





***FAST*** **ID**

With a faster process and extraction yielding purer DNA, Fast ID will enhance the accuracy of your analysis, and greatly reduce the need for repeat and redundant testing. This will save your laboratory technicians valuable time and save your company money. Please contact us for a free sample kit.

**1-877-348-6193**

**1-641-472-9979**