

# i-genomic Plant

## DNA EXTRACTION KIT



Extract DNA From Various Plant Specimen

**BEST**

Extract from **any types**  
of **plant** samples

Efficient and Simple way  
to extract genomic DNA from  
plant samples

Simply extract DNA from  
5 types of plant samples



- Ordering information

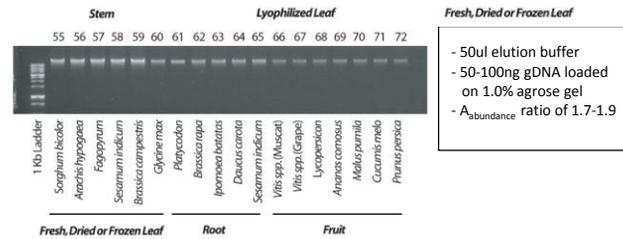
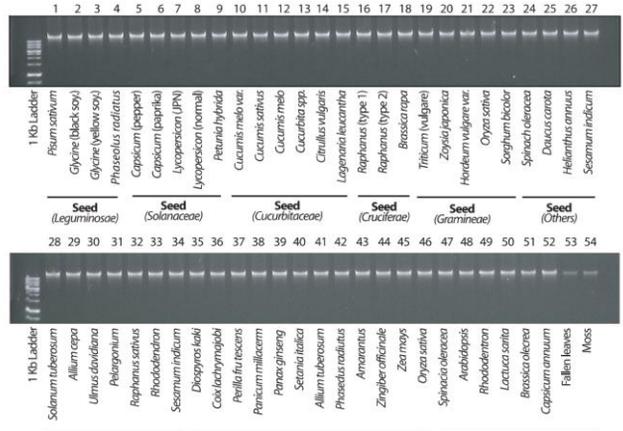
Product Name	Cat. No.	Size	Storage	Expiry date
i-genomic Plant DNA Extraction Maxi Kit	17371	50 col	RT	2 year

# CHARACTERISTICS & TECHNICAL DATA

- Spin type product for extracting pure DNA from plant specimens and processed food

- Observation for yield and purity of genomic DNA from various plant specimens

## 1) gDNA extraction from various samples



- 50ul elution buffer  
- 50-100ng gDNA loaded on 1.0% agarose gel  
- Abundance ratio of 1.7-1.9

The housekeeping gene(18s, 222bp) was Kit (i-StarTaq, Cat.25165) for PCR amplification reaction. (Lane M: 1Kb amplified with the purified DNAs as template DNA (10ng). We used Maxime PCR PreMix DNA Ladder)

## 2) DNA Yield and Purity

Lane	Sample	Amount(mg)	Yield(ug)	A260/280
Root				
1	Pea	50	12-14	1.87
2	Black bean	50	10-14	1.88
3	Yellow bean	50	12-15	1.84
Leaf				
Lane	Sample	Amount(mg)	Yield(ug)	A260/280
1	Persimmon	5	3-5	1.73
2	Adray	5	2-4	1.82
3	Perilla	5	3-6	1.72
Stem				
Lane	Sample	Amount(mg)	Yield(ug)	A260/280
1	Potato	50	6-8	1.80
2	Onion	50	4-6	1.81
3	Elm	50	4-6	1.74



### WIDE RANGE OF SAMPLES

Extract DNA from plant-like samples such as leaves, stems, roots, fruits, seeds, Gramineae and processed food as well.



### FAST & EASY

Whole process takes only 20 min.



### ENHANCED SOLUTION

Easily extract DNA from plant containing secondary compounds using enhancer solution.



### PROTOCOL SELECTION

Providing 7 kinds of protocols and select appropriate protocols based on plant sample types.



Leaf

Type A protocol  
Type B protocol



Stem

Type C protocol



Root

Type D protocol



Seed

Type F protocol  
Type G protocol



Fruit

Type E protocol

### \* Related product

Product Name	Cat. No.	Size	Storage
i-genomic Plant plus DNA Extraction Maxi Kit	17372	10 col	RT