

Universal Plant DNA & RNA Extraction

Providing Innovative Reagents for Life Sciences since 2006

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CliniSciences Group

EasyPure® Universal Plant Total RNA Kit (polysaccharides and polyphenols)(ER302)

Features

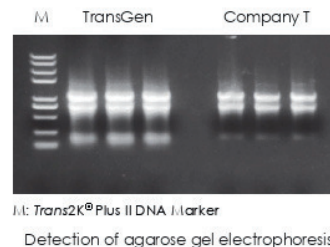
- Wide range of applications: Applicable to various plant tissues, especially those rich in polysaccharides, polyphenols or starch;
- Fast operation: High-quality RNA can be extracted in less than 30 minutes;
- Safe and low toxicity: No toxic organic reagents such as phenol and chloroform;
- High purity: The unique technology can efficiently remove impurities such as pigments, polyphenols and polysaccharides in the sample.



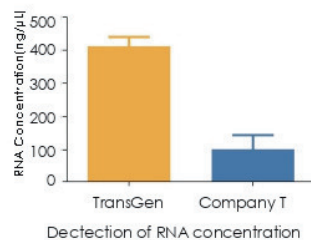
Experiment Data

Wide range of applications

Tea leaves



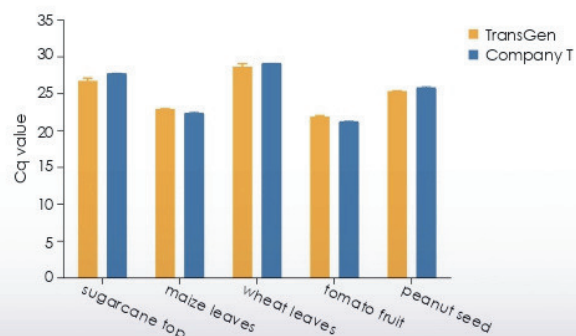
Soybean seed



RNA was extracted from 100 mg of different plant samples using TransGen and Company T products, and the detections of RNA concentration and agarose gel electrophoresis were performed. The results showed that the extraction effect of TransGen products was better than that of competitors.

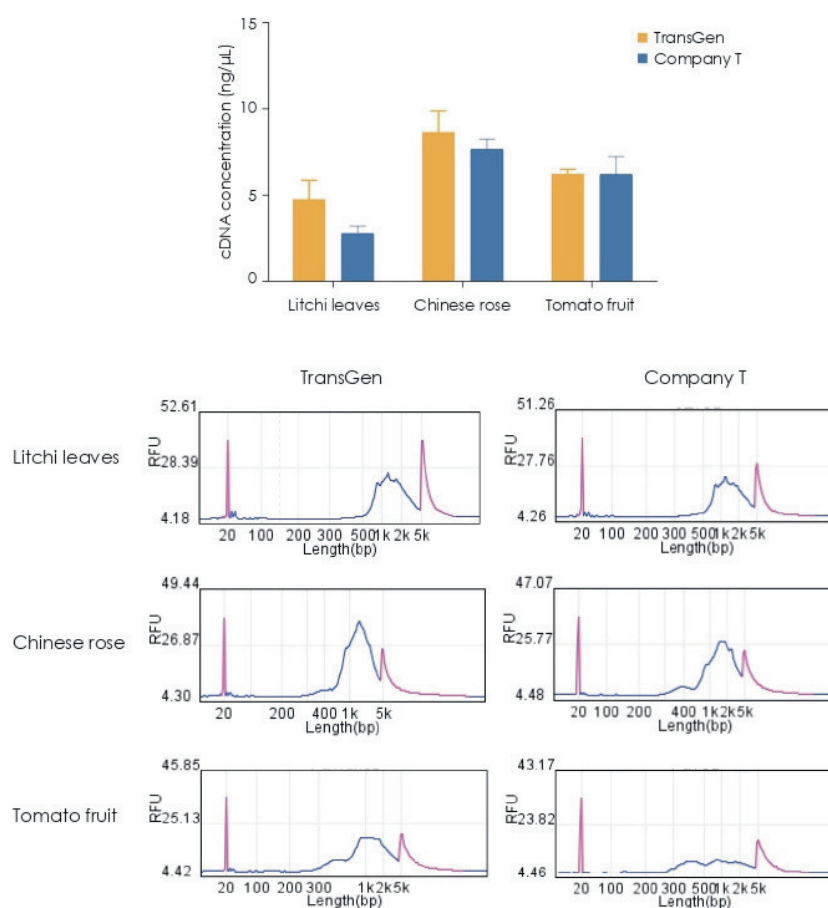
Applicable for various of downstream detections

qRT-PCR detection



TransGen and Company T products were used to extract RNA from different plant samples, and RNA was used as a template for one-step qRT-PCR testing (AQ311). The results showed that TransGen products had no inhibitory effect on qPCR amplification and can be used for downstream qPCR testing.

Full-length cDNA synthesis and amplification



TransGen and Company T products were used to extract RNA from different plant samples, and full-length cDNA was synthesized using RNA as a template (KC901). The results showed that the quality of RNA extracted by TransGen products was good, and the peak shape of cDNA after amplification was good, which was suitable for full-length cDNA synthesis and amplification.

Extraction amount of tested samples

Type of sample		Sample amount (mg)	RNA extraction amount (μg)
Leaves tissue	Tobacco	100	15-20
	Wheat		20-30
	Maize		20-40
	Tea leaves		30-50
	Litchi		10-20
	Sugarcane		15-20
	Cotton		15-30
	Aloe		0.3-0.8
	Holly		1-5
	Pine tree coniferous leaves		1-5
Root issue	Maize	200	10-20
	Tobacco		4-8
Tuber issue	Potato		30-40
Petal	Chinese rose	200	10-20
Fruit	Grape		4-7
	Tomato		4-7
Seed	Soybean	100	30-50
	Peanut		40-60

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EasyPure® Universal Plant Genomic DNA Kit (EE112)

Features

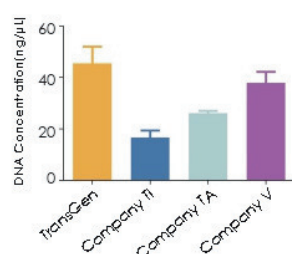
- Wide range of applications: Applicable to various plant tissues, especially those rich in polysaccharides, polyphenols or starch;
- Fast operation: High-quality genomic DNA can be extracted in less than 1 hour;
- Safe and low toxicity: No toxic organic reagents such as phenol and chloroform;
- High purity: The unique technology can efficiently remove impurities such as pigments, polyphenols and polysaccharides in the sample. lower inhibition of PCR



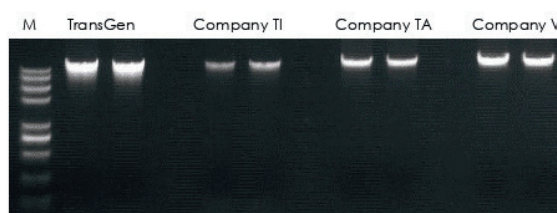
Experiment Data

Wide range of applications

Tobacco leaves



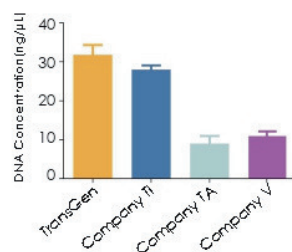
Detection of DNA concentration



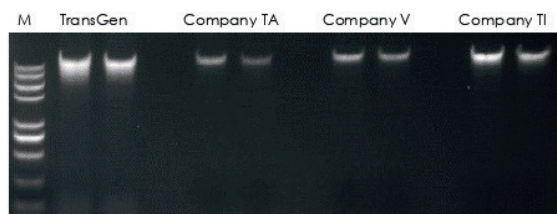
M: Trans2K® Plus II DNA Marker

Detection of Agarose gel electrophoresis

Litchi leaves



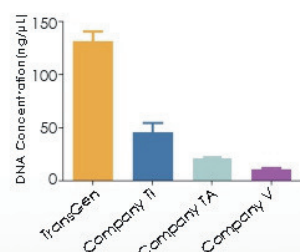
Detection of DNA concentration



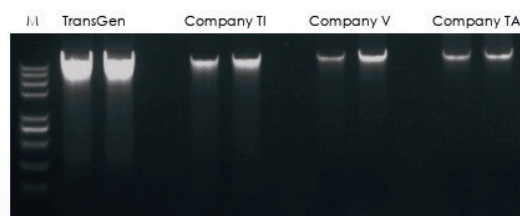
M: Trans2K® Plus II DNA Marker

Detection of agarose gel electrophoresis

Sugarcane leaves



Detection of DNA concentration



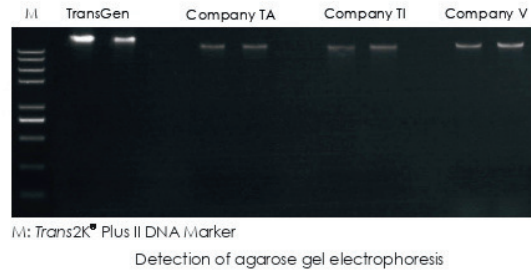
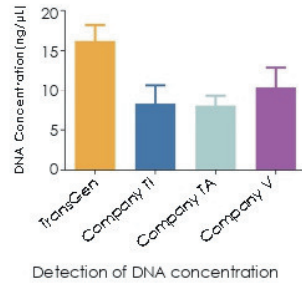
M: Trans2K® Plus II DNA Marker

Detection of agarose gel electrophoresis

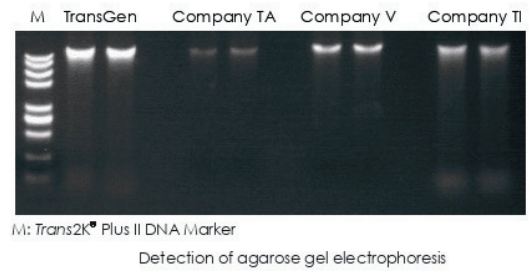
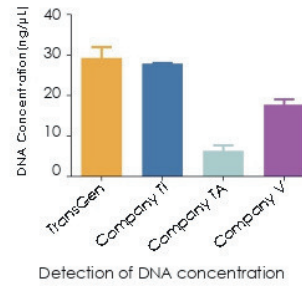
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Pine tree coniferous leaves



Maize root



Extraction amount of tested samples

Type of sample	Sample amount (mg)	DNA extraction amount (μg)
Leaves tissue	Tea leaves	4-6
	Litchi	0.5-0.7
	Sugarcane	7-8
	Sweet corn	5-8
	Tobacco	2-3
	Wheat	9-10
	Cotton	3-5
	Soybean	6-7
	Rice	3-5
	Holly	0.5-0.6
	Pine tree coniferous leaves	0.5-0.6
Root issue	Cotton	100
	Maize	150
Petal	Chinese rose	200
	Lily	100
Fruit	Litchi	200
Seed	Soybean	100
	Cotton germ	40

Product Information

Product Name	Cat.No.	Specification
EasyPure [®] Universal Plant Total RNA Kit	ER302-01	50 rxns
	ER302-02	200 rxns
EasyPure [®] Universal Plant Genomic DNA Kit	EE112-01	50 rxns
	EE112-02	200 rxns

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