

Table 4 Comparison of different RNA extraction methods

Extraction method	Operating	Time (h)	Cost	Leaf		Rhizome		Flower		Stem	
				Integrity	Yield	Integrity	Yield	Integrity	Yield	Integrity	Yield
Trizol protocol	Simple	2	Medium	Poor	High	Poor	Low	Poor	High	Poor	High
CTAB-LiCl method	Triviality	24	Low	Worse	Low	Worse	Low	Poor	High	Good	Medium
CTAB-sopropanol method	Triviality	10	Low	Poor	Low	Poor	Low	Poor	High	Poor	Low
Hot Phenol Method	Simple	15	Low	Good	High	Worse	Low	Good	High	Good	High
Tiagen RNAPrep pure plant kit	Medium	7	High	Worse	Medium	Worse	Medium	Worse	Medium	Worse	Low
Improved hot phenol method	Medium	8	Low	Good	High	Good	High	Good	High	Good	High