

Magnetic Tissue/Cell/Blood Total RNA Kit

——Extract RNA from various samples such as tissue cell blood with high throughput

Cat. No:

4992740

Packing Size:

50 preps

Description:

Magnetic Tissue/Cell/Blood Total RNA Kit adopts magnetic beads with unique separation function and a unique buffer system to separate and purify high-quality total RNA. The product can be perfectly matched with Kingfisher Flex96 and TGuide S32/S96 Automated Nucleic Acid Extractors. If high-throughput automated extraction is required, please contact TIANGEN for the integration solution.

Product Details

Features:

- Easy and fast: Ultrapure total RNA can be obtained within 60 min.
- High throughput: It can meet the requirements of manual extraction as well as batch extraction on various high-throughput platforms.
- Safe and non-toxic: No reagent such as phenol/chloroform is needed.

Specification:

Type: Magnetic beads type extraction.

Sample: Tissues, cells and blood.

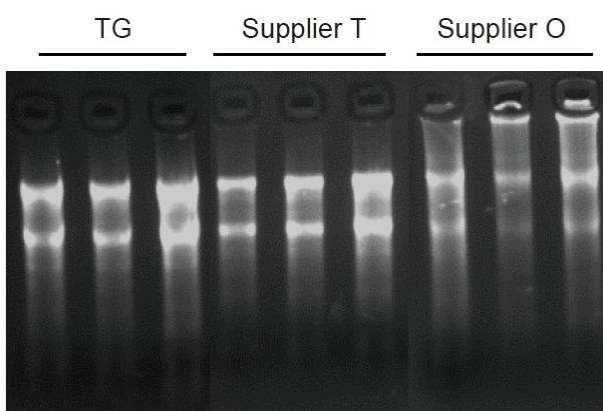
Target: Total RNA

Starting volume: 5-20 mg, not exceed 1×10^7 , 0.1-1.5 ml

Operation time: 60 min

Downstream applications: RT-PCR/RT-qPCR, NGS library construction, etc.

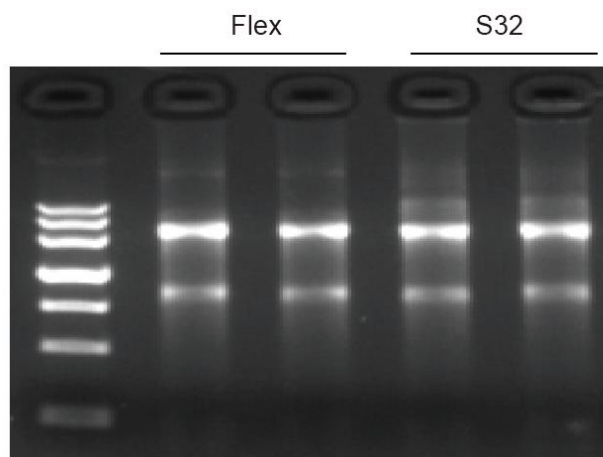
Experimental Examples:



	Conc. (ng/ μ l)	OD _{260/280}	OD _{260/230}
TG	1401.2	2.09	1.92
	1397.5	2.09	1.98
	1527.2	2.06	1.82
Supplier T	1050.3	2.07	1.66
	1118.2	2.08	1.66
	1103.7	2.08	1.68
Supplier O	1319	2.04	1.67
	1296.5	2.04	1.66
	1350.1	2.03	1.64

Total RNA was extracted from 20 mg rat liver with TIANGEN Magnetic Tissue/Cell/Blood Total RNA Kit and the relevant products from other suppliers. 5 μ l of 200 μ l eluate was loaded to 1% agarose gel electrophoresis, 6 V/cm.

Conclusion: The extraction yield, purity and stability of TIANGEN Magnetic Tissue/Cell/Blood Total RNA Kit are better than that of other suppliers.



	Conc. (ng/ μ l)	OD _{260/280}	OD _{260/230}
Flex	421.9	2.04	2.2
	373.8	2.06	2.21
TG S32	465.3	2.04	2.2
	430.5	2.05	2.1

Total RNA was extracted from 20 mg of rat kidney with TIANGEN Magnetic Tissue/Cell/Blood Total RNA Kit in TIANGEN TGuide S32 or Thermo Kingfisher Flex96 respectively. 5 μ l of 200 μ l eluate was loaded to 1% agarose gel electrophoresis, 6 V/cm. Marker: TIANGEN D15000 DNA Marker.

Conclusion: Magnetic Tissue/Cell/Blood Total RNA Kit has good extraction yield and purity in different automated extractors.