

Fully Automated Magtration® System 12GC for RNA Purification from Animal Tissue



Table 1. Materials and reagents

Sample	Mouse liver 10 mg
Reagent	GC series Magtration®-MagaZorb® RNA Common kit (Code No. E2004)
IC-card for Protocol	Magtration®-MagaZorb® RNA Common kit (Code No. I-1254)
Sample Preparation	Homogenized with RNA ^{later} ® 150 µl
Elution Volume	50 or 100 µl
Operation Time	Including DNase treatment : Approx. 45 min (Without DNase treatment : Approx. 35 min)

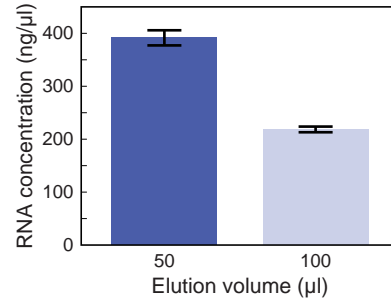


Figure 3. Typical yield from different elution volumes.

Table 2. Summary of total RNA purification (n=4)

Sample	Yield (µg)	A ₂₆₀ /A ₂₈₀	A ₂₆₀ /A ₂₃₀
Mouse liver 10 mg	21.3 ± 1.3	1.92 ± 0.03	1.60 ± 0.03

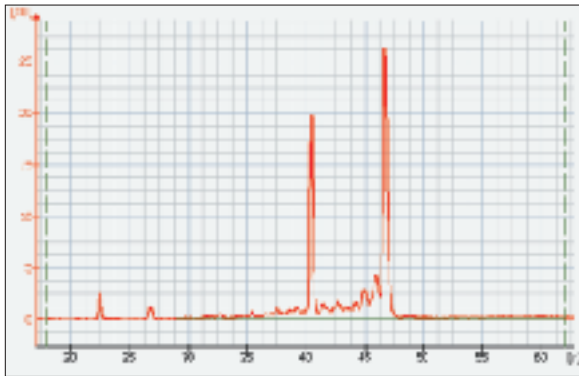


Figure 1. Electropherogram of total RNA isolated from mouse liver by Agilent® 2100 bioanalyzer.

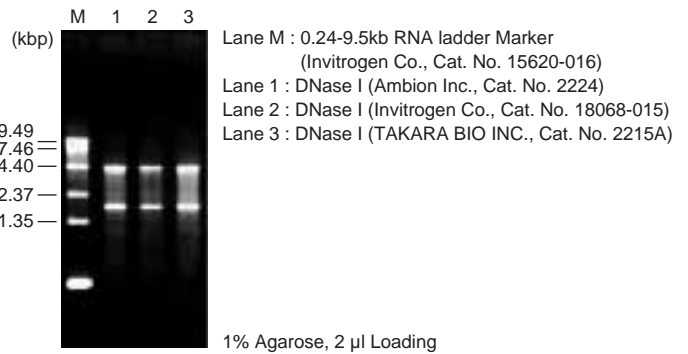


Figure 4. Formaldehyde/agarose gel electrophoresis of purified RNA from mouse liver with different DNase I.

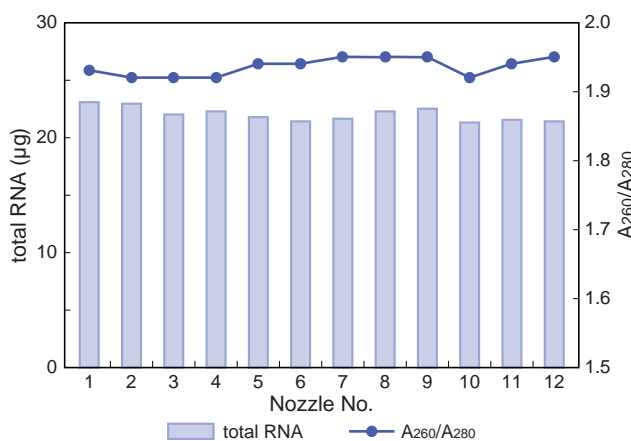


Figure 2. Yields and purities of total RNAs isolated from mouse liver at each nozzle position with Magtration® System 12GC.

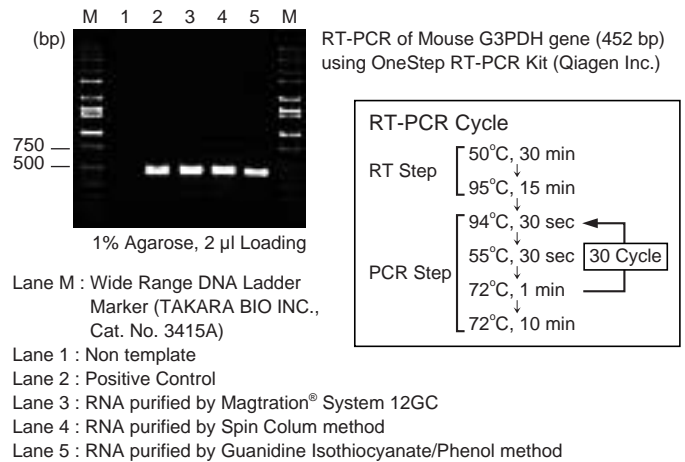


Figure 5. RT-PCR of total RNAs purified by different methods.

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