

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

Table 1. Materials and Reagents

| | |
|----------------------|--|
| Sample | Mouse liver 10 mg |
| Reagent | Magtration [®] -MagaZorb [®] RNA Common kit |
| IC-card for Protocol | Magtration [®] -MagaZorb [®] RNA Common kit |
| Sample Preparation | Homogenized with RNAlater [®] 150 μ l |
| Elution Volume | 50 or 100 μ l |
| Operation time | Including DNase I treatment : approx. 45 min (Without DNase : 35 min) |

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

| Sample | Yield (μ g) | A ₂₆₀ /A ₂₈₀ | A ₂₆₀ /A ₂₃₀ |
|-------------------|------------------|------------------------------------|------------------------------------|
| Mouse Liver 10 mg | 21.3 \pm 1.3 | 1.92 \pm 0.03 | 1.60 \pm 0.03 |

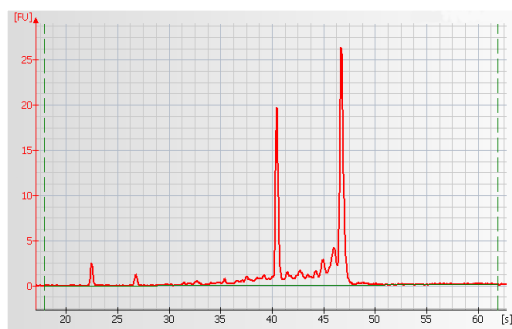


Figure 1. Electropherogram of total RNA isolated from Mouse liver by Agilent[®] 2100 bioanalyzer .

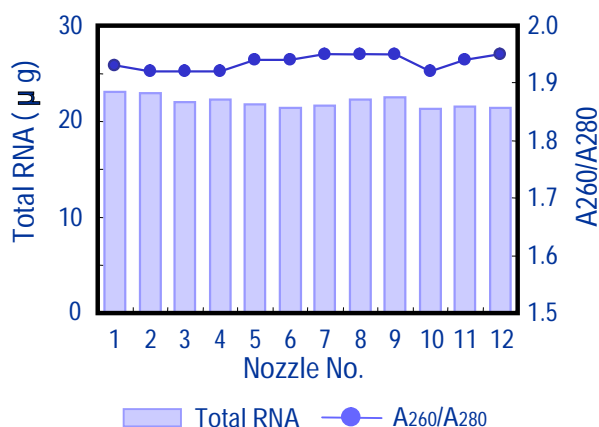


Figure 2. Yields and purities of total RNAs isolated from mouse liver at each nozzle position with Magtration[®] System 12GC.

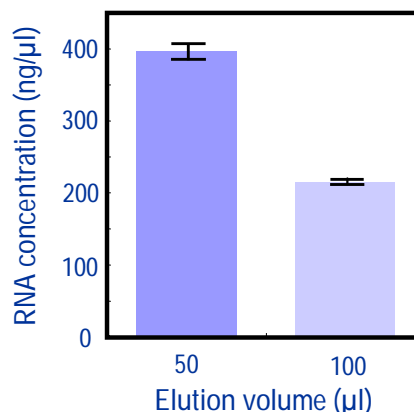


Figure 3. Typical yield from different elution volumes.

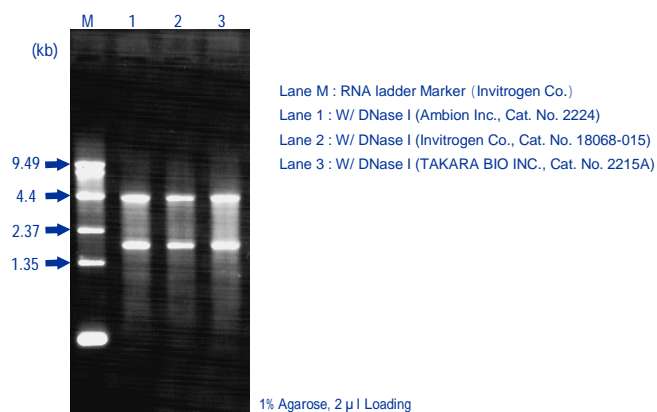


Figure 4. Formaldehyde/agarose gel Electrophoresis of purified RNA from mouse liver with different DNase I.

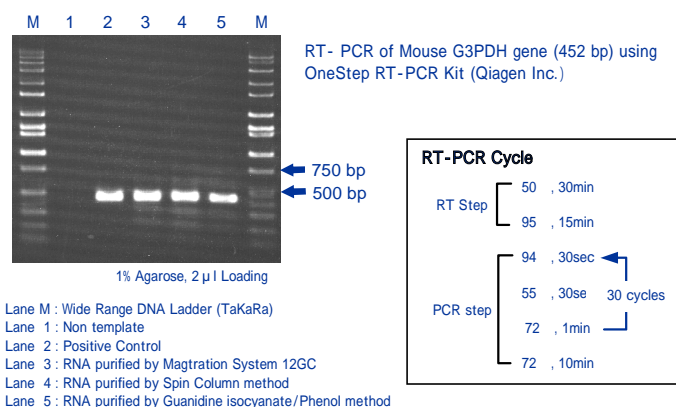


Figure 5. RT-PCR of total RNAs purified by different methods.

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