Microzone Product Datasheet

Product code: 2TRMN-50 Lot Number:

MAGneat Tissue RNA Extraction Kit

P. Code	Size in 50 Rxn	Component	Description	Lot Number	Expiry
2TRLB-50	27.5 mL	Tissue Lysis Buffer	Buffer optimised for tissue digestion.		
2TRPK-50	1 Vial	Proteinase K (Lyophilised)	Enzyme for protein digestion and NA release.		
2TRBB-50	10.5 mL	Tissue Binding Buffer	Buffer to facilitate NA binding to magnetic beads.		
2TRMN-50	1.65 mL	MAGneat Beads	Magnetic beads for NA capture and purification.		
2TRWB-50	15 mL	Tissue Wash Buffer 1	Buffer for contaminants removal.		
2TRDN-50	1 Vial	DNase I (Lyophilised)	Enzyme for DNA digestion.		
2TRRB-50	240 µL	DNase I Reconstitution Buffer	Reconstitution Buffer for re-hydration of DNase I.		
2TRRX-50	5.5 mL	DNase I Reaction Buffer	Buffer for optimal DNase I activity.		
2TREB-50	11 mL	Tissue Elution Buffer	Buffer for RNA release and storage.		

Applications

- RT-PCR and RT-qPCR amplification
- NGS
- Micro-array Genotyping
- Enzymatic reactions

Key Features

- Purity — Microzone's proprietary buffers ensure the removal of contaminants and yield extremely pure RNA suitable for the most sensitive applications.
- Fast — Complete Extractions in as little as 45 minutes.
- Automatable – MAGneat magnetic beads technology ideal for automation.

Product Description

The MAGneat Tissue RNA Extraction Kit provides an effective approach to purification of high-quality RNA from tissue samples. The kit utilises Microzone's proprietary buffer formulations in conjunction with MAGneat magnetic beads to reversibly and selectively bind RNA. This allows for the efficient removal of contaminants while retaining and protecting RNA. The extracted high-quality RNA is suitable for most downstream applications including amplification, next generation sequencing and enzymatic reactions.

MAGneat Tissue RNA Extraction Kit automates seamlessly with Microzone's HeiDi-NA extraction system. Providing unrivaled performance and reproducibility. Contact Microzone today for more information.

Follow the Instructions of Use (IFU) manual for a detailed guide on the kit and recommended protocols.

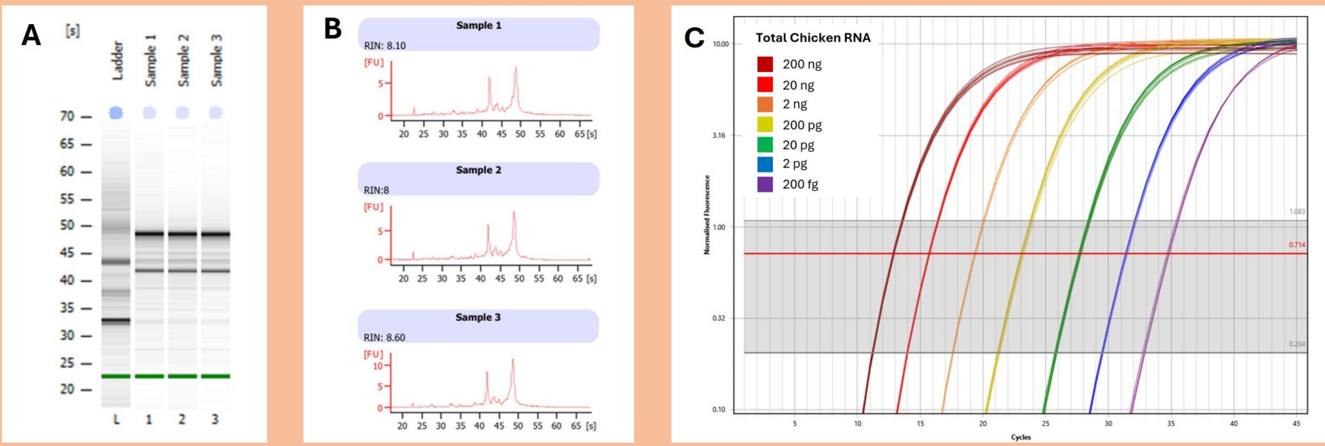

Figure 1: Total RNA was extracted from chicken pectoral muscle using the MAGneat Tissue RNA extraction kit. RNA integrity was analysed using a 2100 Bioanalyzer system from Agilent: representative electrophoresis (A) and respective electropherograms are shown (B). Extracted RNAs were used as template for a RT-qPCR dynamic range setup. MegaMix Emerald RT-qPCR One-Step Mastermix was used to target GAPDH gene using eight 10-fold serial dilutions of the RNA (C). Reactions were performed and analysed on micPCR thermocycler (Bio Molecular Systems, Upper Coomera - Australia).

Research use only

If you would like to evaluate the kit please contact Microzone.

Note: If you intend to automate using a liquid handler or a magnetic processor please contact Microzone for specific recommendations and support.

Simple | Effective | Efficient

Version 1.01

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