

## MyZol for TRIzol—MAGneat RNA Extraction Kit

P. Code	Extractions	Components	Description
2MN-MI-50	50	7	MyZol for TRIzol — MAGneat RNA Extraction Kit

### Applications

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

### Product Description

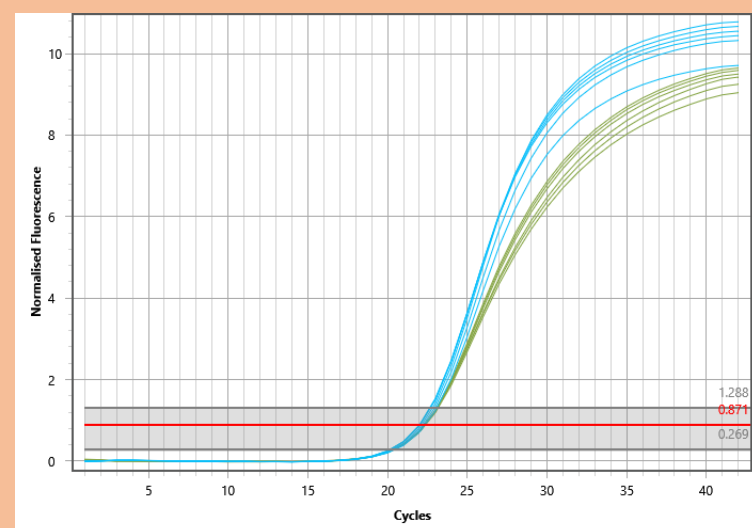
The MyZol for TRIzol — MAGneat RNA Extraction Kit efficiently purifies RNA from a broad range of samples collected in TRIzol, including cells, viruses, tissues, biological liquids. Microzone's proprietary buffer formulations and MAGneat magnetic beads ensure that high quality RNA is retrieved from even the toughest of samples. The MAGneat magnetic beads bind to RNA reversibly and selectively, purifying more RNA compared to spin column-based methods while also being perfect for automation.

### Key Features

- High Quality—MAGneat magnetic bead technology purifies High Quality RNA.
- Purity—Microzone's proprietary buffers ensure the removal of contaminants and yield extremely pure RNA suitable for the most sensitive applications.
- Safe—TRIzol inactivates a broad range of pathogens.
- Fast—Complete Extractions in as little as 45 minutes.
- Automatable—Magnetic bead technology is ideal for automation.



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



**Figure 1. Comparison of Manual and Automated MyZol for TRIzol — MAGneat RNA Extraction Kit.** RT-qPCR amplification of the RdRp gene from SARS-CoV-2 viral RNA. Nasopharyngeal swab was collected and stored in TRIzol and extracted using the MyZol for TRIzol — MAGneat RNA Extraction Kit using both manual (magNEAT magnetic separator) and automated (HeiDi-NA automated extraction system) methods. Green curves represent manually extracted samples and blue curves represent samples extracted using the HeiDi-NA automated extraction system.

**Table 1. MyZol for TRIzol — MAGneat RNA Extraction Kit outperforms other commercially available TRIzol RNA extraction kits.** RNA was extracted from 6.25 mg of homogenised avian muscle tissue in TRIzol, using the MyZol for TRIzol — MAGneat RNA Extraction Kit and a commercially available comparator. Yield was measured using the Qubit 4 Fluorimeter from ThermoFisher and the  $A_{260}/A_{280}$  and  $A_{260}/A_{230}$  ratios were assessed using the NP80 Touch Nanophotometer from Implen.

Extraction Kit	$A_{260}/A_{280}$	$A_{260}/A_{230}$	Yield ( $\mu$ g)
<b>MyZol for TRIzol — MAGneat RNA Extraction Kit</b>	<b>2.01</b>	<b>1.89</b>	<b>13</b>
	<b>1.99</b>	<b>1.72</b>	<b>9.24</b>
	<b>2.01</b>	<b>2.12</b>	<b>12.1</b>
<b>Comparator Z</b>	<b>1.93</b>	<b>1.29</b>	<b>2.25</b>
	<b>1.76</b>	<b>1.09</b>	<b>1.05</b>
	<b>1.72</b>	<b>1.12</b>	<b>1.69</b>

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