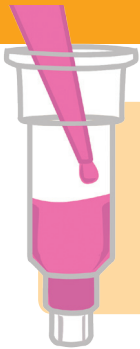


GET IT DIRECT



- ✓ For purification of high-quality small and large RNA *directly* from TRIzol®, TRI Reagent®, or similar.
- ✓ Bypasses phase separation and precipitation procedures.

Direct-zol™ RNA

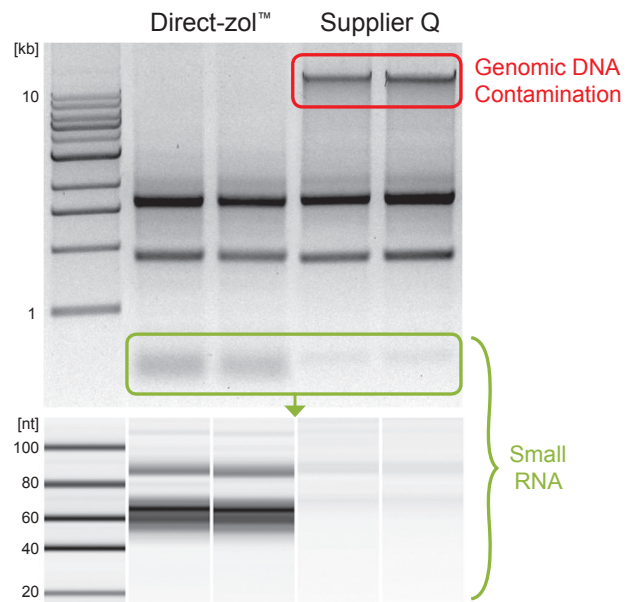


Samples in TRIzol®, TRI Reagent®, etc. including...

- ✓ Cells
- ✓ Tissues
- ✓ *In vitro* reactions
- ✓ Tough-to-lyse samples
- ✓ FFPE
- ✓ Plants
- ✓ Microorganisms
- ✓ Body fluids



High quality RNA & miRNA for:
RNA-Seq, miRNA-Seq, Microarray, qRT-PCR, Hybridization, and more!



High-quality small and large RNAs are effectively recovered using the Direct-zol™ kit. RNA is **DNA-free**.

“No phase separation was needed, but you still had the benefits of a TRIzol extraction.”

“The protocol was very straightforward, time needed to get the RNA is just outstanding and saved us a lot of time to do more things.”

“I am very impressed with the RNA yield (quality and quantity) I obtained using this kit.”



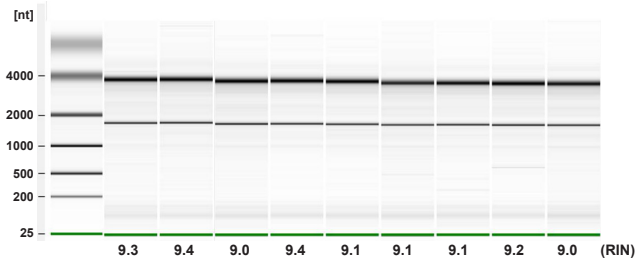
ZYMO RESEARCH
The Beauty of Science is to Make Things Simple



What is Direct-zol?

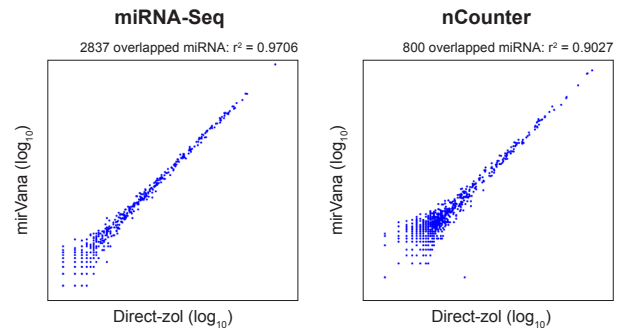
The Direct-zol™ RNA kits are designed for the purification of RNA from samples in TRIzol®, TRI Reagent®, or similar reagents. Samples are loaded directly into a spin column bypassing the need for conventional phase separation and precipitation steps. Processing is as fast as 10 minutes per prep.

High-quality RNA



High RNA integrity number (RIN > 9; Bioanalyzer) indicates high-quality RNA was purified from human epithelial cells using the Direct-zol™-96 MagBead RNA on a Freedom EVO® (Tecan liquid handler).

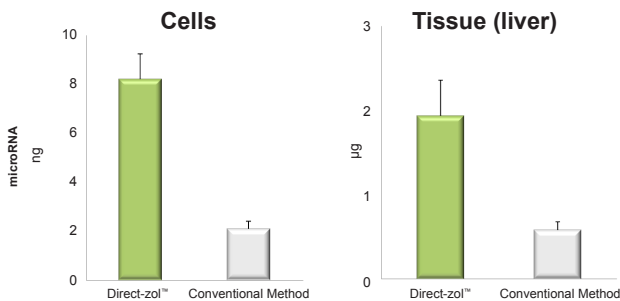
Non-biased miRNA Recovery



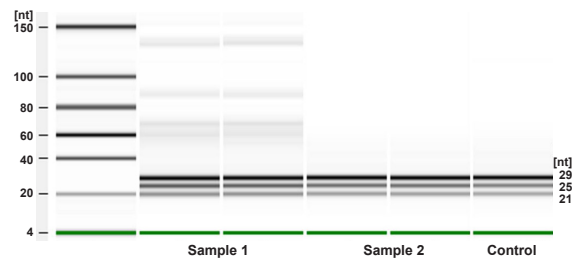
Micro-RNA isolation using Direct-zol™ RNA kits is non-biased. The data show RNA purified from TRIzol® samples using the Direct-zol™ RNA MiniPrep compared to an unbiased method (mirVana™, Ambion).

Micro-RNA analysis was performed using miRNA-Seq (MiSeq®, Illumina) and a direct hybridization assay (nCounter®, Nanostring).

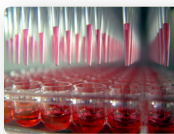
Efficient Small RNA Recovery



The Direct-zol™ RNA MiniPrep recovers ~4-fold more miRNA (<40 nt) than the conventional phase-separation method. Micro-RNAs purified from cells and tissue were quantified using a Bioanalyzer® with small RNA chip.



Small RNAs are effectively recovered with Direct-zol™ RNA kits. RNA was analyzed using a Bioanalyzer® (Small RNA Chip) gel image shown. Control is a small RNA ladder input into all samples.



The **only** fully-automatable workflow for RNA purification from TRIzol®

DNase I is included in all kits!



The Beauty of Science is to Make Things Simple

THE
Epigenetics
COMPANY™

Product	Cat. No.	Size
Direct-zol™ RNA MiniPrep	R2050, R2051* R2052, R2053*	50 Preps. 200 Preps.
Direct-zol™-96 RNA	R2054, R2055* R2056, R2057*	2 x 96 Preps. 4 x 96 Preps.
Direct-zol™-96 MagBead RNA	R2100, R2101* R2102, R2103* R2104, R2105*	2 x 96 Preps. 4 x 96 Preps. 8 x 96 Preps.

* = Supplied with TRI-Reagent®

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