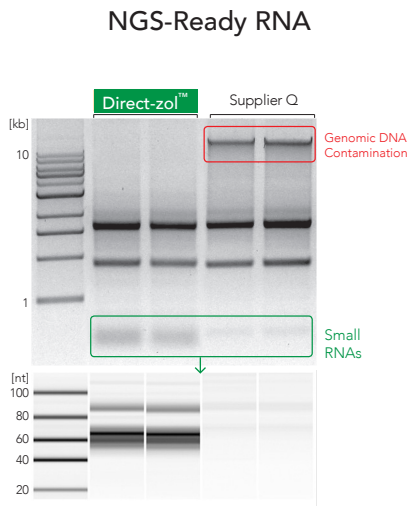


NGS-Ready RNA from TRIzol® in 7 Minutes

Direct-zol™ RNA (any sample: blood, cells, tissue, etc.)

- **Easy Handling:** No phase separation or precipitation steps.
- **NGS-Ready:** Ultra-pure RNA without phenol carryover. No DNA contamination (DNase I included).
- **Non-Biased:** Complete RNA recovery without miRNA loss.



High-quality intact small and large RNAs are efficiently recovered using a Direct-zol™ RNA kit compared to using a Supplier Q kit. RNA is DNA-free and ready for all downstream applications including NGS.

Using the conventional TRIzol® method can show bias and decrease recovery of miRNA with low GC content and skew results. Use Direct-zol™ to recover all RNA in the sample.

Kim, YK *et al.* (2012) *Molecular Cell*.

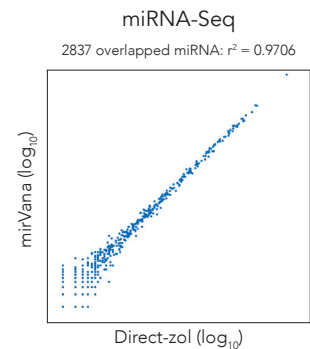
Product	Cat. No.	Size
Direct-zol™ RNA Miniprep Plus Kit	R2070, R2071* R2072, R2073*	50 preps 200 preps
Direct-zol™ RNA Miniprep Kit	R2050, R2051* R2052, R2053*	50 preps 200 preps
Direct-zol™ RNA Microprep Kit	R2060, R2061* R2062, R2063*	50 preps 200 preps

High-throughput 96-well spin plate and MagBead formats also available.

*=Supplied with TRI Reagent®

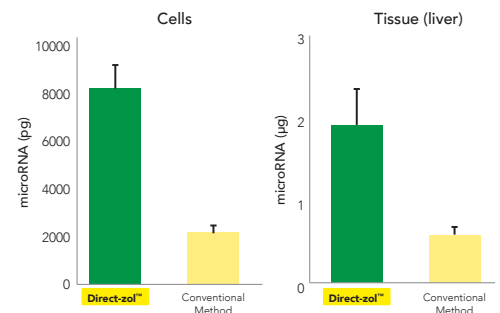
Compatible with samples stored in TRIzol®, TRI-Reagent®, RNAzol®, QIAzol®, and all other acid-guanidinium-phenol reagents.

Non-Biased miRNA Recovery



RNA purified from TRIzol® using Direct-zol™ RNA compared to an unbiased method (mirVana™, Ambion). Data is highly correlated (2837 overlapped miRNA: $r^2 = 0.9706$). Analysis was performed using miRNA-Seq (MiSeq®, Illumina).

Highest Yields



Direct-zol™ RNA kits recovered ~4-fold more miRNAs (<40 nt) than conventional methods. miRNAs purified from cells and tissue were quantified using Bioanalyzer small RNA chip.



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