

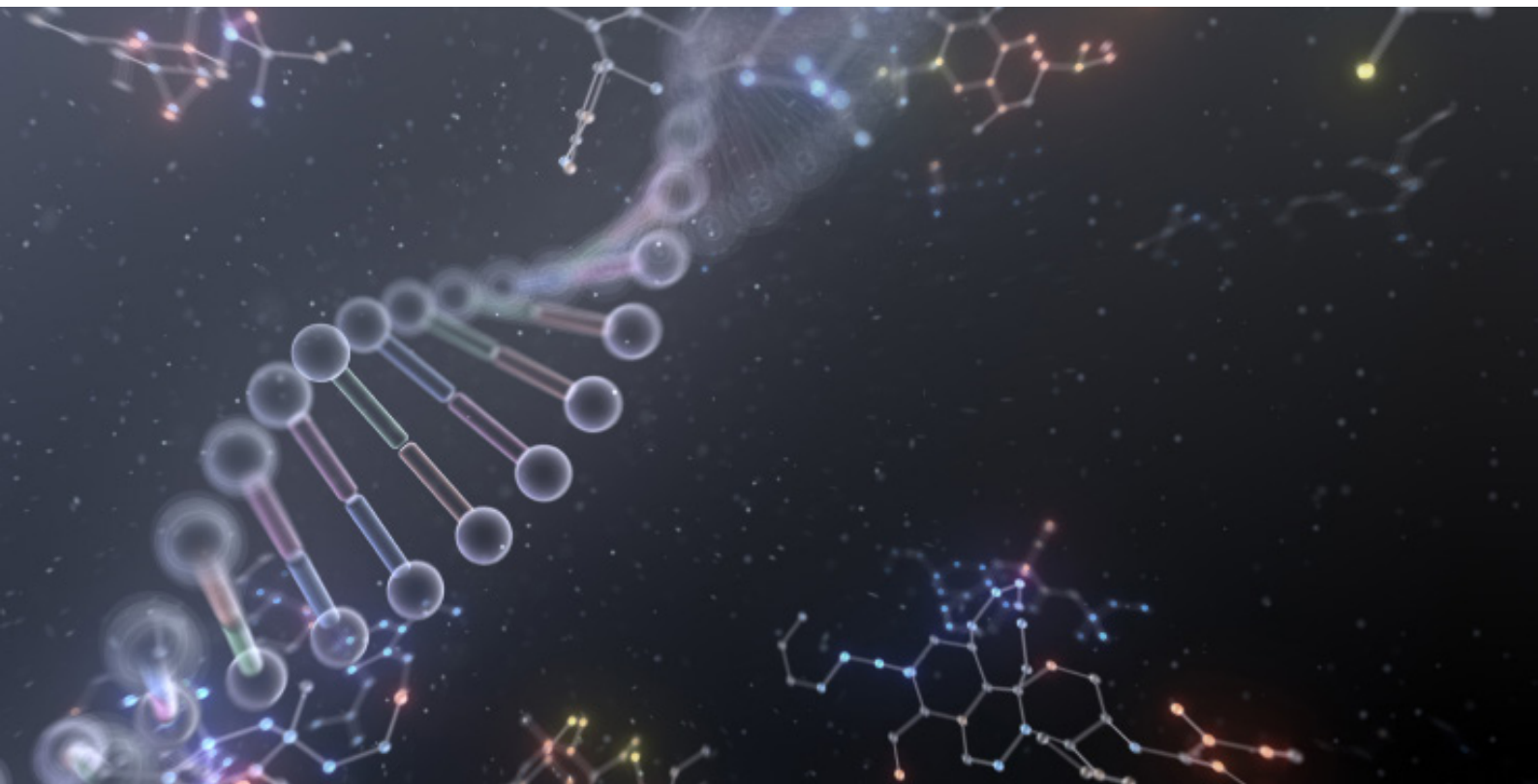


Chromatrap

Chromatrap[®] gDNA Removal Columns

Removal of Genomic DNA for High Quality Total RNA

Catalogue No. 500338



Chromatrap[®] gDNA Removal Columns quickly remove contaminating genomic DNA (gDNA) from RNA samples for cleaner, higher quality purification of total RNA for DNA sensitive applications.

- 30 second, enzyme-free gDNA removal
- Load and spin method for gDNA-free, total RNA
- Highly specific gDNA removal. Save precious RNA sample
- Ideal for DNA-sensitive applications

Removal of gDNA from cell lysates prior to RNA extraction increases the yield and purity of extracted total RNA. This load and spin method efficiently captures unwanted gDNA on the membrane allowing flowthrough of gDNA-free cell lysate for use with any suitable RNA extraction method. Captured gDNA may also be eluted for applications such as molecular cloning, RT-PCR and sequencing.

Chromatrap® gDNA Removal Columns can be used to eliminate gDNA as part of the RNA extraction process and are compatible with most RNA extraction methods. RNA Extraction reagents are not included with the gDNA Removal columns and must be supplied by the user. The key requirement is for cell lysates to be in buffer containing guanidine salts before addition to the gDNA removal column. Chromatrap® recommend the use of the Chromatrap® RNA Extraction kit (Cat # 500335) with Chromatrap® gDNA Removal Columns for maximum yield and purity of Total RNA.

Method

1. Harvest cells according to the protocol supplied with the RNA kit you have selected. If using the Chromatrap® RNA Extraction kit (Cat # 500335) a complete protocol for gDNA removal with the Chromatrap® gDNA Removal Columns is supplied in the manual.
2. Lyse cells using kit-supplied RNA extraction lysis buffer according to the manufacturers instructions.
3. Load a maximum of 700 µl cell lysate in RNA extraction lysis buffer onto a gDNA Removal column and cap tightly.
N.B. if using more than 700 µl use a new gDNA Removal column for each 700 µl of lysate and pool flowthroughs at step 5 of the protocol.
4. Centrifuge the gDNA Removal column 12,000 x g for 30 s and discard spin column. **Do not discard flowthrough this contains your RNA in lysis buffer.**
5. Carefully aspirate flowthrough, transfer to a fresh RNase-free tube and immediately proceed with RNA extraction according to the RNA extraction kit manufacturers protocol.

Ordering Information

Product	Quantity	Catalogue No.
Chromatrap® gDNA Removal Columns	50 Columns	500338

Related Products

Product	Quantity	Catalogue No.
Chromatrap® RNA Extraction Kit	1 x 50 Columns	500335-050
Chromatrap® RNA Extraction Kit	1 x 250 Columns	500335-250
Chromatrap® Homogeniser Spin Column	50 Columns	500289



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