

# Helping you find your way to improved mRNA purity and yield

## Simplify your mRNA purification process

POROS™ Oligo (dT)25 Affinity Resin is designed for the purification and isolation of mRNA from *in vitro* transcription (IVT) manufacturing processes. The use of affinity chromatography offers high selectivity and ease of use. Through the AT-base pairing mechanism the resin effectively separates mRNA from components of the transcription reaction process, such as enzymes, unreacted nucleotides, partial transcripts and plasmid DNA.

### Why choose the Oligo (dT)25 affinity resin?

- Easy mRNA purification from crude transcription mix
- High dynamic binding capacity and high recovery
- Simplified workflow helps to maximize efficiency and reduce the complexity of subsequent polish steps
- Excellent scalability, allowing purification from benchtop to commercial manufacturing

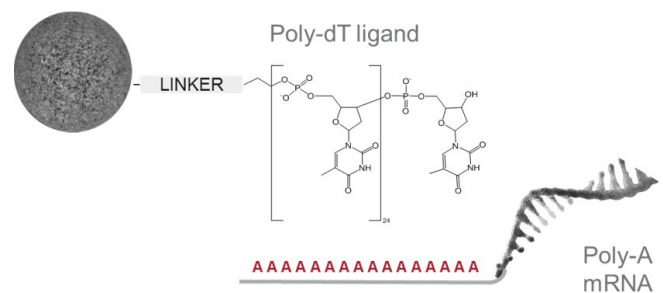


Figure 1. Mechanism of action of POROS Oligo dT(25) affinity resin. The poly-dT ligand allows binding with poly-A tailed mRNA molecules through AT base pairing.

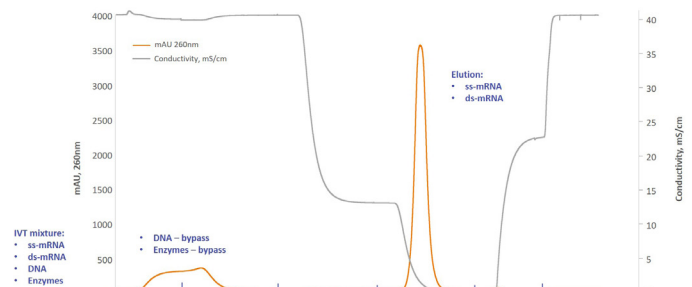


Figure 2. Chromatogram showing efficient separation of a 2000nt mRNA from an IVT mixture at a load concentration of 2 mg/mL. Elution was performed using H<sub>2</sub>O and yielded >95% recovery.

Discover more at [thermofisher.com/oligodT25](https://thermofisher.com/oligodT25)

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