

## Sample preparation



# SMART Digest RNase kits

## A significant advance in sample preparation for oligonucleotide mapping

Obtain high-quality analytical results from mRNA digestions using Thermo Scientific™ SMART Digest™ RNase kits. A significant advance in sample preparation for oligonucleotide mapping, the kits provide fast and simple digestion with high reproducibility, high sensitivity, and high levels of data quality in a format that is compatible with automation. RNase kits use optimized heat-stable enzymes on magnetic beads allowing control of partial digestion to produce required fragments of ideal length for sequencing by HRAM MS.

### RNase kits are available with with two enzyme specificities:

- **RNase T1** is an endoribonuclease that specifically degrades single-stranded RNA at G residues
- **RNase A** is an endoribonuclease that specifically degrades single-stranded RNA at C and U residues

- **Easy and simple**

- Simple process and control of digestion time ensures required fragment length for comprehensive mRNA sequencing by HRAM MS
- Easily automate entire protocol for high-throughput processing
- Single nuclease digestion allows full characterization of mRNA

- **Reliable results**

- Increased reproducibility over existing protocols
- Higher data confidence
- No nuclease contamination of the analytical column

### Ordering information

Description	Quantity	Cat. no
SMART Digest RNase T1 Mag Bulk kit (using magnetic beads)	1 unit	60120-101
SMART Digest RNase A Mag Bulk kit	1 unit	60120-102

Learn more at [thermofisher.com/smardigest](https://thermofisher.com/smardigest)

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