

ALADDIN SCIENTIFIC CORPORATION

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## Specification Sheet

|                          |                                                                                                                                   |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Product Name:            | RNase Inhibitor (Murine, 40U/μL)                                                                                                  |
| SKU #:                   | R350859                                                                                                                           |
| Version:                 | 2                                                                                                                                 |
| Source:                  | Recombinant                                                                                                                       |
| Specifications & Purity: | Recombinant, BioReagent, DNase, RNase free, Suitable for Molecular Biology, for DNA and RNA applications, ≥95% (SDS-PAGE), 40U/μl |
| Concentration:           | 40U/μl                                                                                                                            |
| Formulation:             | Liquid                                                                                                                            |
| Reconstitution:          |                                                                                                                                   |
| Storage Conditions:      | Store at -20°C                                                                                                                    |

| Parameter                                                                       | Limit Values |
|---------------------------------------------------------------------------------|--------------|
| Seal Integrity Testing                                                          | Conform      |
| pH (7.0-8.0)                                                                    | Conform      |
| Activity Assay (35.0-45.0 U/μL)                                                 | Conform      |
| Purity(SDS-PAGE) ≥95%                                                           | Conform      |
| Endonuclease Assay (Incubated with supercoiled Plasmid DNA at 37°C for 3 hours) | Conform      |
| Exonuclease Assay (Incubated with linearized DNA Substrate at 37°C for 3 hours) | Conform      |
| RNase Assay (Incubated with the RNA Substrate at 37°C for 3 hours)              | Conform      |
| Host Cell DNA (HCD) ≤100pg/mg                                                   | Conform      |