



***E•RASE™* RNase BLEND**
Molecular Biology

Worthington *E•RASE™* Ribonuclease Blend is an optimized blend of purified ribonucleases with differing base cleavage specificities designed to achieve more complete digestion of target RNA's in various applications requiring its removal such as in plasmid purification, ribonuclease protection assays, RT-PCR, etc. Bovine pancreatic RNase A cleaves RNA after U and C nucleotides whereas RNase T1 preferentially cleaves after G.

E•RASE™ Ribonuclease Blend contains an optimized combination of these enzymes that digests RNA's more efficiently than either one alone. *E•RASE™* contains 0.5mg/ml of RNase A and 100,000u/ml of RNase T1, prepared in a 50% glycerol solution for convenient storage and use, and tested to be free of contaminating DNase and Protease. *E•RASE™* and the component ribonuclease preparations made by Worthington are described below.

Description	Activity	Code	Cat #	Size	Price
<i>E•RASE™</i> Ribonuclease Blend, DNase and Protease Free. <i>Bovine pancreas/Aspergillus oryzae</i> An optimized blend of 0.5mg/ml RNase A, Code RPDF, and 100,000U/ml RT1, Code RT1S. Suitable for the rapid digestion of RNA in plasmid DNA preps (at a concentration of 10-50 units per typical 5 minute mini-prep treatment), RNA Protection and RT-PCR applications. Supplied as an approximate 10u/μL solution in 50mM acetate, pH 5.0 containing 0.3mM EDTA and 50% glycerol. Store at -20°C.	≥ 8,000 - 12,000 units per ml	RCT*	LS003442	2,500 un	\$ 50.00
			LS003443	10,000 un	150.00
			LS003444	50,000 un	600.00
			LS003446	Bulk	Inquire
RNase A, <i>Bovine pancreas</i> Molecular Biology Grade, DNase and Protease Free. Supplied as a solution containing approximately 5mg/ml in 50% glycerol. Prepared specifically for use in purifying DNA plasmids. Each lot is assayed to be free of DNase and protease. Store at 2 - 8°C. Storage at -20°C is acceptable.	≥ 2,000 units per mg protein	RPDF	LS002131	1 mg	\$ 21.00
			LS002132	5 mg	64.00
			LS002130	Bulk	Inquire
RNase T1, <i>Aspergillus oryzae</i> Highly purified non-mammalian RNase. Supplied as a solution in 2.8M ammonium sulfate. Store at 2-8°C.	≥ 300,000 units per mg protein	RT1S*	LS01485	100 ku	\$ 38.00
			LS01487	500 ku	124.00
			LS01488	Bulk	Inquire
RNase T1, Chromatographically Purified, Lyophilized <i>Aspergillus oryzae</i> NEW! Highly purified, microbial (non-mammalian) RNase prepared with non-animal components. Store at 2 - 8°C.	≥ 2,500 units per mg dry weight	RT1L	LS01490	500 ku	\$ 145.00
			LS01492	2,500 ku	560.00
			LS01494	Bulk	Inquire

*Requires Special Shipping

Unit Definitions: Code RCT: One Unit of *E•RASE™* Ribonuclease Blend digests 10ug of yeast RNA in 20ul 10mM Tris-HCl, pH 7.5 containing 15mM NaCl in 30 minutes at 37°C.

Code RPDF: One Unit releases the equivalent of one A260 of acid-soluble products at 37°C, pH 5.0 when yeast ribosomal RNA is hydrolyzed to acid soluble oligonucleotides. One Kunitz unit equals 50 Worthington units.

Codes: RT1S/RT1L: One Unit releases the equivalent of one A260 of acid-soluble products at 37°C, pH 7.5, from yeast RNA in 15 minutes.

(Over) [1.11]

Related Products

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Deoxyribonuclease I
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Histones
Lysozyme
Nuclease, Micrococcal
Nuclease, S1
Phosphatase, Alkaline
Phosphodiesterase I
Phosphodiesterase II
Proteinase K
Reverse Transcriptase, Recombinant HIV
Ribonuclease
Ribonucleic Acid**

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