



730 Vassar Avenue, Lakewood, NJ 08701
800.445.9603 * 732.942.1660 fax 800.368.3108 * 732.942.9270
www.worthington-biochem.com

Certificate of Analysis

Product Ribonuclease A, DNase & Protease Free

Source Bovine Pancreas

Country of Manufacture USA
All products from animal sources are produced from starting material of USDA-approved origin, collected in United States Department of Agriculture (USDA) or equivalent approved facilities, inspected to be free of disease and suitable for exportation. Certificates of Origin are available upon request.

Storage Store at 2-8°C or -20°C.

Code RPDF

Lot Number

Re-Assay Date

Description Molecular Biology Grade. A solution containing approximately 5 mg/ml in 50% glycerol. Prepared specifically for use in purifying DNA plasmids. Each lot is assayed for DNase and protease.

Unit Definition One unit causes an increase in absorbance of 1.0 at 260 nm at 37°C and pH 5.0 when yeast ribosomal RNA is hydrolyzed to acid soluble oligonucleotides.
Note: One Kunitz Unit equals 50 Worthington Units.

<u>Parameter</u>	<u>Result</u>	<u>Acceptance Criteria</u>
u/mgP	10,683	≥2,000 units per mg protein
u/ml	61,960	Report assay value.
mgP/ml	5.80	Report assay value.
DNase	None detected	No DNase contamination should be apparent at 20 µg of RPDF
Protease	None detected	No development of digestion zones when 50 units of RPDF are incubated for 48 hours at 37°C
mgP/vial, LS002131	1.16	≥1.0 mgP per vial
mgP/vial, LS02132	5.80	≥5.0 mgP per vial
SDS PAGE	Satisfactory	Satisfactory

Worthington certifies that all lots of RNase are subjected to a pH of less than 3.0 for at least 5 hrs during processing.

Approved by: Thomas R. Ryan, Quality Control Manager (signature on file)

Date: 2/19/20