



730 Vassar Avenue, Lakewood, NJ 08701  
800.445.9603 \* 732.942.1660 fax 800.368.3108 \* 732.942.9270  
[www.worthington-biochem.com](http://www.worthington-biochem.com)

### Certificate of Analysis

Product DNase Vial (D2)  
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.  
Code D2  
Lot Number  
Re-Assay Date  
Description A component of the Papain Dissociation System. This material is 0.22 micron membrane filtered and lyophilized in autoclaved vials. A vial reconstituted with 0.5 ml of EBSS or equivalent yields a solution of 2000 units/ml of deoxyribonuclease (1 mg/ml).  
Unit Definition One Unit causes an increase in absorbance at 260 nm of 0.001 per minute per ml. at 25°C, pH 5.0 when acting on highly polymerized DNA in the presence of ionized magnesium and calcium.

<u>Parameter</u>	<u>Result</u>	<u>Acceptance Criteria</u>
u/vial	1,080	≥1,000 Kunitz units per vial
A280/vial	0.17	Report assay value.
Colony Count	No cfu's detected	≤1 cfu/ml
Endotoxin EU/mg dw	< 0.5	Report Assay Value.

Avoid vigorous mixing. Worthington certifies that all lots of deoxyribonuclease are subjected to a pH of less than or equal to 3.0 for greater than 5 hours during processing.

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

Date: 12/17/19