

DEOXYRIBONUCLEASE (DNase)

What is Deoxyribonuclease?

Deoxyribonuclease (DNase) occurs predominantly in the pancreas, but has also been found in other tissues and in the salivary glands.

DNase is an endonuclease enzyme that hydrolyses phosphodiester bonds adjacent to pyrimidine nucleotides of deoxyribonucleic acid (DNA), yielding 5'-phosphate terminated polynucleotides with a free hydroxyl group at the 3' position.

Why choose BBI for your supply?

BBI Solutions (BBI) is a leading manufacturer of high quality DNase.

We have manufactured DNase for over 40 years, under a quality system compliant with the latest ISO 13485:2016 standard requirements.

Using our expertise in bulk extraction and protein purification we achieve exceptional quality, making BBI the supplier of choice.



Key Benefits

+ HIGHEST QUALITY MATERIAL

Well controlled processes to ensure the highest quality material

+ BATCH-TO-BATCH REPRODUCIBILITY

Enabling consistent performance

+ EDQM CERTIFIED

We maintain a Certificate of Suitability for TSE/BSE Risk Management issued by the EDQM for materials derived from bovine raw material. We are able to offer large volumes to your exact product specification.

+ BULK EXTRACTION CAPABILITY

We are able to offer large volumes to your exact product specification.

+ SECURE SUPPLY

We have direct relationships with our raw material suppliers to ensure a secure supply chain.

+ COST EFFECTIVE

Bovine DNase offers a cost effective alternative to recombinant products.

Product Analysis

Aspect	Description	Units	Limits	Result
Batch	S2060D			
Preparation	Bovine pancreas	N/A	N/A	N/A
Activity	Kunitz	U/mg material	≥2 500	3616
Additional Data	Moisture	%	<5	2
Microbiological Data	Total Aerobic Microbial Count	cfu/g	<1000	<10
	Total Combined Mould and Yeast Count	cfu/g	<1000	<10
Solubility	Deionised water	5 mg/ml	Soluble & clear	Complies

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Purity	≥2500 U/mg (Kunitz units) *Code 041160BBI
Source	Bovine pancreas
Presentation	Salt free, lyophilised powder

Stability	Stable for 3 years when stored in accordance with storage conditions.
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FAQs

HOW IS DNASE PRODUCED?

DNase is extracted from bovine pancreas using multiple precipitation, fractionation, filtration and chromatography steps.

ARE CUSTOMISED PRODUCT SPECIFICATIONS AVAILABLE?

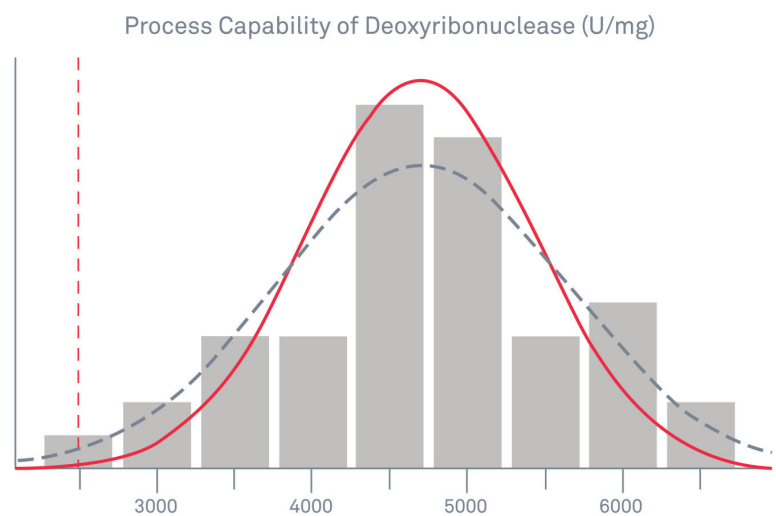
We will profile your requirements against our process capability to meet a specification suitable to your needs. If your product specification falls outside our process capability, the project will be handled by our technical team.

HOW SHOULD THE MATERIAL BE STORED?

We recommend you store the material at freezer conditions (-10°C to -25°C).

Product Analysis

High quality final product produced with a high degree of batch-to-batch consistency:



Related Products

Application Area	Product Name	Code	Activity
Bulk Enzymes	Trypsin	201553BBI	> 2500 U/mg material
Bulk Enzymes	Ribonuclease	181515BBI	> 100 U/mg material
Bulk Enzymes	Chymotrypsin	031110BBI	>5μ Katal/mg material

Order a sample today sales@bbisolutions.com
 Int: +44 (0) 1495 363000 USA: 1-207-797-5454 China: +860 216 104 2216