Catalog Number: 600031  
Product Name: DNase I, RNase Free  
Expiration Date: 2019-07-30  
Quantity: 1000 U  
Certified By: Dana Faver  
Quality Controlled By: Matt Huffman  
Shipping Conditions: Shipped with an ice pack.  
Storage Conditions: Store at -20°C upon receipt.  
Specific Activity: 2,247,191 U/mg

**Concentration**

10 U/μl

**Unit Activity**

One unit is the amount of enzyme required to completely digest 1 μg of DNA in 10 minutes at 37°C in a 25-μl total reaction volume.

**Test Conditions**

A 350-bp RNA transcript is incubated in the presence of a 100-fold molar excess of the RNase Free DNase I. Transcripts are visualized on a 6% denaturing polyacrylamide gel to verify the integrity of the RNA transcript.

**Storage Buffer**

DNase I, RNase Free is supplied in 10 mM Tris-HCl (pH 7.5), 10 mM MgCl₂, 10 mM CaCl₂ and 50% (v/v) glycerol.