



# Certificate of Analysis

For Life Science research use only.  
Not for use in diagnostic procedures.

Product Name:  $\beta$ -Glucuronidase from red abalone (*Haliotis rufescens*)  
Form: Liquid solution  
Catalog Number: **BETA-GLUC**  
Lot Number: **L181026**  
Storage Temperature: +2 to +8 °C

CAS RN 9001-45-0  
EC 3.2.1.31  
Synonym:  $\beta$ -D-Glucuronide glucuronosohydrolase

Manufactured date                      October 25, 2018  
Analysis date                              October 26, 2018  
Recommended re-evaluation date      October 26, 2019

TEST	SPECIFICATION	RESULT	
Appearance	Clear amber solution	Clear amber solution	Pass
Glucuronidase Activity	$\geq 100,000$ Units/ml	132,121 Units/ml	Pass
Sulfatase Activity	$\leq 8,000$ Units/ml	951 Units/ml	Pass

Glucuronidase Unit Definition: One Unit will liberate 1.0  $\mu$ g of phenolphthalein from phenolphthalein glucuronide per hour at pH 5.0 and 37 °C (30 min assay).

Sulfatase Unit Definition: One unit will hydrolyze 1.0  $\mu$ mole of p-nitrocatechol sulfate per hour at pH 5.0 and 37 °C.

Analyzed by:

Pablo Herrera  
Analyst

Approved by:

Oscar Donoso  
Quality Assurance Manager

Doc Approval Date: 1/2/2014