

240 County Road Ipswich, MA 01938-2723 Tel 978-927-5054 Fax 978-921-1350 www.neb.com info@neb.com

New England Biolabs Certificate of Analysis

Assaul Name /CaseiG	notion (minimum release criteria)	
Effective Date:	27 Sep 2013	
Specification Version:	PS-R0665S v1.0	
	630	
Storage Buffer:	100 mM KCl , 10 mM Tris-HCl (7.4), 1 mM DTT , 0.1 mM EDTA , 50 % Glycerol , 0.5 % Tween-20 , 0.5 % IgepalCA-	
Storage Temp:	-20°C	
Expiration Date:	1/2018	
Assay Date:	01/2016	
<i>Lot #</i> :	0021601	
Onii Difiniion.	hour at 25°C in a total reaction volume of 50 µl.	
Unit Definition:	One unit is defined as the amount of enzyme required to digest 1 μ g of T4 wild-type phage DNA (fully ghmC-modified) in 1	
Concentration:	10,000 units/ml	
Catalog #:	0665S	
Product Name:	AbaSI	

Assay Name/Specification (minimum release criteria)	Lot #0021601
Endonuclease Activity (Nicking) - A 50 μ l reaction in NEBuffer 4 containing 1 μ g of supercoiled pBR322 dcm+ DNA and a minimum of 30 units of AbaSI incubated for 4 hours at 16°C results in <20% conversion to the nicked form as determined by agarose gel electrophoresis.	Pass
Exonuclease Activity (Radioactivity Release) - A 50 μ l reaction in NEBuffer 4 containing 1 μ g of a mixture of single and double-stranded [³ H] <i>E. coli</i> DNA and a minimum of 100 units of AbaSI incubated for 4 hours at 37°C releases <0.1% of the total radioactivity.	Pass
Non-Specific DNase Activity (16 Hour) - A 50 µl reaction in NEBuffer 4 containing 1 µg of T4 GT7 (dC) DNA and a minimum of 50 units of AbaSI incubated for 16 hours at 25°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.	Pass
Protein Purity Assay (SDS-PAGE) - AbaSI is \geq 95% pure as determined by SDS-PAGE analysis using Coomassie Blue detection.	Pass

otunen

Authorized by Derek Robinson 27 Sep 2013



- rake

Inspected by Mala Samaranayake 15 Jan 2016