

New England Biolabs Product Specification

Product Name: Phusion[®] HF Buffer Pack
Catalog #: B0518S
Concentration: 5X Concentrate
Shelf Life: 36 months
Storage Temp: -20°C
Composition (1X): Proprietary
Specification Version: PS-B0518S v1.0
Effective Date: 08 Aug 2016

Assay Name/Specification (minimum release criteria)

PCR Amplification (20 kb Lambda DNA, Buffer) - A 50 µl reaction in Phusion[®] HF Reaction Buffer in the presence of 200 µM dNTPs and 1 µM primers containing 10 ng Lambda DNA with 1 unit of Phusion[®] High-Fidelity DNA Polymerase for 22 cycles of PCR amplification results in the expected 20 kb product.

PCR Amplification (7.5 kb Human Genomic DNA, Buffer) - A 50 µl reaction in Phusion[®] HF Reaction Buffer in the presence of 200 µM dNTPs and 1 µM primers containing 50 ng Human Genomic DNA with 1 unit of Phusion[®] High-Fidelity DNA Polymerase for 30 cycles of PCR amplification results in the expected 7.5 kb product.



Date 08 Aug 2016

Derek Robinson
Director of Quality Control

