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double digestion.

Supplied in:

Reaction Conditions:

gene from Haemophilus influenzae Rd.

1mM DTT, 200 µg/ml BSA, 50% glycerol.

100 mM NaCl, 10 mM MgCl, 1 mM DTT

1x SE-Buffer W or 1xSE-Buffer ROSE, Incubate at 37°C

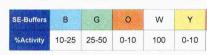
1X SE-Buffer W (pH 8.5@ 25°C): 10 mM Tris-HCl.

TTCGATA Lot: 66

RE

Exp: 09/20

Store at -20C



For more details

Restriction

Endonuclease

Hind III

E074T

25.000 units

20,000 u/ml

Recognition

Sequence:

scan the code



Heat Inactivation: Ph/F +7(383)333-6853 info@sibenzyme.com Enzyme is inactivated by incubation at 80°C for 20

www.sibenzyme.com

TURBO

CERTIFICATE OF ANALYSIS

(10-15 min) DNA digestion as well as for standard reaction. The reaction can be performed using optimal

or universal (ROSE) Buffer. Buffer ROSE is perfect for

Source: An E.coli strain that carries the cloned Hind III

10 mM Tris-HCl (pH 7.5), 200 mM NaCl, 0.1 mM EDTA.

10x SE-Buffer W. 10x SE-Buffer ROSE

Enzyme Properties: 1 µl of Turbo Hind III cuts 1 µg of DNA in 1x SE-Buffer

Turbo DNA Digestion:

-Fast preparation of vectors for cloning

-Fast DNA analysis

-Double digestion

Applications:

Oligonucleotide Assay: No detectable degradation of a

Unit Definition: One unit is defined as the amount of

enzyme required to digest 1 μq of λ DNA in 1 hour at

37°C in a total reaction volume of 50 ul.

W or universal 1x SE-Buffer ROSE in 10-15 min (see the protocol below). Short time DNA digestion requires high quality purification of DNA sample. This enzyme can digest DNA at standard incubation time (1-16 hours) as well. Turbo reaction protocol: 20 µl of the reaction volume: Reaction Buffer (x10) - 2 µl Plasmid DNA - 1-2 μl (up to 1 μg) or PCR product - 5-10 μl (~0,2 μg) Sterile water - up to 20 ul + 1 µl of Turbo Restriction Endonuclease Incubate at 37°C for 10-15 min

Description: Turbo Hind III can be used for short time

Quality Control Assays Ligation: After 50-fold overdigestion with Hind III.

approximately 90% of the DNA fragments can be ligated with high-activity T4 DNA Ligase and recut.

16-Hour Incubation: A 50 µl reaction containing 1 µg of DNA and 20 units of enzyme incubated for 16 hours resulted in the same pattern of DNA bands as a reaction incubated for 1 hour.

single-stranded and double-stranded oligonucleotide was observed after incubation with 20 units of

restriction endonuclease for 3 hours. Reagents Supplied with Enzyme: