Product Specification Summary

Random Primers

Catalog Number	26-4000-12-05
Product Name	Random Octamer; 5 mg
Size	5 mg
Description	5'-NNNNNNNN-3'
Component/Note	Random Octamer 5mg. Can be supplied lyophilized or as 5 ug/uL in TE pH 8.0

Random Primers are a mixture of oligonucleotides representing all possible sequence for that size. Random Primers can be used to prime synthesis in oligo-labeling similar to using hexamers (1,2) and cDNA synthesis. Random prime labeling yields high specific activity labeled DNA probe which can be used for all southern, northern and in situ hybridization studies. Random Primers can be also used similar to using hexamers in cDNA synthesis in combination with oligo d(T) to yield more 5' end cDNA sequence. Recently random primers have been used to detect DNA polymorphism. These polymorphisms, simply detected as DNA segments which amplify from one parent but not the other, are inherited in a Mendelian fashion and can be used to construct genetic maps in a variety of species. The authors suggested that these polymorphisms be called RAPD (pronounced RAPID) makers, after Random Amplified Polymorphic DNA (3). References 1. Feinberg, A.P. & Vogelstein, B. (1983) Anal. Biochem. 132:6-13. 2. Feinberg, A.P. & Vogelstein, B. (1984) Anal. Biochem. 137:266-267. 3. Williams J. G., Kubelik A.R., Livak K.J., Rafalski J.A. & Tingey S.V. (1990) Nucleic Acid Res. 18(22):6531-5.

Scan the QR Code or visit the following links

Product Infomation http://www.genelink.com/geneprodsite/product.asp?p=17569

Product Manual http://www.genelink.com/Literature/ps/PS26-4000-03_V2.2.pdf

Product MSDS http://www.genelink.com/Literature/ps/MSDSNH.pdf

Related Products

Product	Catalog No	Size
Random Octamer; 1mg	26-4000-12-01	1 mg
Random Octamer; 5 mg	26-4000-12-05	5 mg
Random 24mers; 100 ug	26-4000-14	100 ug
Random 36mers; 100 ug	26-4000-15	100 ug
Random Heptamer Phosphorylated pd(N)7; 50 ug	26-4000-07	50 ug
Random Nonamer Phosphorylated pd(N)9; 50 ug	26-4000-09	50 ug
Random Hexamer 72%GC; 100 ug	26-4001-13	100 ug
Random Nonamers 72%GC; 100 ug	26-4001-16	100 ug
Random 36mer 72%GC; 100 ug	26-4001-17	100 ug
Random 60mer 72%GC; 100 ug	26-4001-18	100 ug
Random 35mers; 100 ug	26-4000-18	100 ug
Random Hexamers; 1 mg	26-4000-30	1 mg
Random Hexamers; 100 ug	26-4000-03	100 ug
Random Heptamer; 100 ug	26-4000-11	100 ug
Random Octamer; 100 ug	26-4000-12	100 ug