Product Specification Summary

Catalog Number	26-4000-12
Product Name	Random Octamer; 100 ug
Size	100 ug
Description	5'-NNNNNNNN-3'
Component/Note	mw ~2409.60
Component/Note	~40

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=142

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
5’-Dig Random Hexamer; 25 ug	26-4000-81	25 ug
5’-Dig Random Nonamer; 25 ug	26-4000-84	25 ug
5’-Dig Random Octamer; 25 ug	26-4000-83	25 ug
5’-FAM Random Heptamer; 25 ug	26-4000-52	25 ug
5’-FAM Random Hexamer; 25 ug	26-4000-51	25 ug
5’-Fl Random Heptamer; 25 ug	26-4000-72	25 ug
5’-Fl Random Hexamer; 25 ug	26-4000-71	25 ug
5’-Fl Random Nonamer; 25 ug	26-4000-74	25 ug
5’-Fl Random Octamer; 25 ug	26-4000-73	25 ug
5’-HEX Random Nonamer; 25 ug	26-4000-44	25 ug
5’-HEX Random Octamer; 25 ug	26-4000-43	25 ug
5’-TET Random Heptamer; 25 ug	26-4000-62	25 ug
5’-TET Random Hexamer; 25 ug	26-4000-61	25 ug
5'-Biotin Random Nonamer; 25 ug	26-4001-04	25 ug
5'-Biotin Random Octamer; 25 ug	26-4001-03	25 ug