# Product Specification Summary

## Random Primers

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|---|---|
| Catalog Number | 26-4000-12-01 |
| Product Name | Random Octamer; 1mg |
| Size | 1 mg |
| Description | 5'-NNNNNNNN-3' |
| Component/Note | Random Octamer 1mg. Can be supplied as 1 ug/ uL or 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=17568

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 |