Cloning Vectors

pSP64 Vector

The pSP64 vector can be used as a standard cloning vector and for in vitro transcription with SP6 RNA polymerase. The pSP64/pSP65 vectors differ only in the orientation of their multiple cloning site regions.

Pack Size	Concentration
20 mg	0.5 mg/ml

References:

1. Melton D.A. et al. (1984) Nuc Acids Res. 12, 7035 - 7056

pSP64(PolyA) Vector

The pSP64(poly A) vector can be used as a standard cloning vector and can be used for in vitro transcription from the SP6 promoter. The pSP64(poly A) vector can be used to generate poly A + transcripts in vitro.

Pack Size	Concentration
20 mg	0.5 mg/ml

pSP65(PolyA) Vector

The pSP65 vector can be used as standard cloning vectors and can be used for in vitro transcription from the SP6 promoter.

Pack Size	Concentration
20 mg	0.5 mg/ml

References:

1. Melton D.A. et al. (1984) Nuc Acids Res. 12, 7035 – 7056

pSP71 Vector

The pSP71 vector can be used as a standard cloning vector and for invitro transcription with SP6 or T7 polymerase.

Pack Size	Concentration
20 mg	0.5 mg/ml

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Cloning Vectors

pUC18 Vector

pUC18 is a prokaryotic vector sharing a multiple cloning site with 13 unique sites. This multiple cloning site is located within the lacZ gene resulting the disruption of b-galactosidase activity by cloned inserts allowing blue/white selection. The E.coli amp and ori elements allow for easy E.coli amplification and selection. pUC18 and pUC19 differ in orientation of the multiple cloning site.

Pack Size	Concentration
20 mg	0.5 mg/ml

References:

1. Yanisch-Perron,C.,et al. (1985) Gene 33: 103.

2. Norrander,J., et al. (1985) Gene 26: 101.

pUC19 Vector

pUC19 is a prokaryotic vector sharing a multiple cloning site with 13 unique sites. This multiple cloning site is located within the lacZ gene resulting in the disruption of b-galactosidase activity by cloned inserts allowing blue/white selection. The E.coli amp and ori elements allow for easy E.coli amplification and selection. pUC18 and pUC19 differ in orientation of the multiple cloning site.

Pack Size	Concentration
20 mg	0.5 mg/ml

References:

1. Yanisch-Perron,C.,et al. (1985) Gene 33: 103.

2. Norrander,J., et al. (1985) Gene 26: 101.

Lambda gt10 Vector

Lambda gt10 is an insertion vector and used for the construction of cDNA and genomic libraries with small sized inserts. The vector contains a single Eco R1 site within the phage repressor gene cl. Phage libraries constructed with Lambda gt10 are useful for screening with nucleic acid probes.

Pack Size	Concentration
20 mg	0.5 mg/ml

References:

1. Huynh,T.V.,et al. (1985) DNA Cloning a Practical Approach (Ed. D. Glover) IRL Press, Oxford 49 - 78.

2. Murray,N.E., et al. (1977) Mol. Gen. Genct. 150,53.

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Cloning Vectors

Lambda gt11 Vector

Lambda gt11 is a cloning and expression vector used for the construction of cDNA and genomic libraries with small sized inserts. The vector contains a single Eco R1 site within the lacZ gene, upstream from the b-galactosidase translation termination codon. Phage libraries constructed with gt11 are useful for screening with both nucleic acid probes and antibodies.

Pack Size	Concentration
20 mg	0.5 mg/ml

References:

1. R.et al.(1983)Proc. Natl. Acad. Sci. USA, 80, 1194

EMBL-3 Vector

EMBL-3 is a vector designed to replace Lambda vectors derived from l1059. Each has a multiple cloning region containing sites for BAM H1, Eco R1 and Sal 1 which flank a 14Kb stuffer fragment. EMBL-3 and EMBL-4 differ in the orientation of the restriction sites within the multiple cloning regions. DNA fragments from 9 - 23 Kb in size may be cloned. The vectors offer Spi phenotype selection of recombinants.

Pack Size	Concentration
20 mg	0.5 mg/ml

References:

A.et al.(1983) J. Mol. Biol. 170, 827

Karn,J.M.et al. (1980) Proc. Acad. Sci. USA, 77, 5172

Zissler,J.et al. (1971) In: The Bacteriophage Lambda, Cold Spring Harbour Laboratory, Cold Spring Harbour, New York, ed. A.D.Hershey, 455

EMBL-4 Vector

EMBL-4 is a vector designed to replace Lambda vectors derived from l1059. Each has a multiple cloning region containing sites for BAM H1, Eco R1 and Sal 1 which flank a 14Kb stuffer fragment. EMBL-3 and EMBL-4 differ in the orientation of the restriction sites within the multiple cloning regions. DNA fragments from 9-23 Kb in size may be cloned. The vectors offer Spi phenotype selection of recombinants.

Pack Size	Concentration
20 mg	0.5 mg/ml

References:

Frischauf,A.et al.(1983) J. Mol. Biol. 170, 827

Karn,J.M.et al. (1980) Proc. Acad. Sci. USA, 77, 5172

Zissler,J.et al. (1971) In: The Bacteriophage Lambda, Cold Spring Harbour Laboratory, Cold Spring Harbour, New York, ed. A.D.Hershey, 455

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