Reverse Transcription Primers

**oligo(dT) Primers**

Oligo(dT)12-18 Primers  
**Cat#:** ABP-PP-PRMDT18  
**Conc.** 50uM  
**Size:** 50ul  
**Store at -20° C**  

Oligo(dT)12-18 Primer hybridizes to the poly(A) tail of mRNA and is suitable for use as a primer for first stand cDNA synthesis with reverse transcriptase. The mixture of oligo(dT) of 12 to 18 nucleotides is supplied in DEPC-treated water at a concentration of 50uM. The oligos are phosphorylated at the 5' end. We recommend using 1 μl of oligo(dT)12-18 Primer per 20 μl reaction volume.

Oligo(dT)20 Primers  
**Cat#:** ABP-PP-PRMDT20  
**Conc.** 50uM  
**Size:** 50ul  
**Store at -20° C**  

Oligo(dT)20 Primer is a string of 20 deoxythymidylic acid residues that hybridizes to the poly(A) tail of mRNA. The primer is supplied in DEPC-treated water at a concentration of 50uM. The primer is phosphorylated at the 5' end. We recommend using 1 μl of oligo(dT)20 Primer per 20 μl reaction volume.

Anchored Oligo(dT)20 Primers  
**Cat#:** ABP-PP-PRMADT20  
**Conc.** 2.5μg/ul  
**Size:** 25ul  
**Store at -20° C**  

Anchored Oligo(dT)20 Primer is a mixture of 12 primers, each consisting of a string of 20 deoxythymidylic acid (dT) residues followed by two additional nucleotides represented by VN, where V is dA, dC, or dG and N is dA, dC, dG or dT. The VN anchor allows the primer to anneal only at the 5' end of the poly(A) tail of mRNA, providing more efficient cDNA synthesis for labeling, first-strand synthesis, and RT-PCR applications. Anchored oligo(dT)20 Primer is preferred for RT reactions at temperatures >=50°C. It is supplied in DEPC-treated water at a concentration of 2.5 μg/μl. We recommend using 2 μl of Anchored Oligo(dT)20 Primer (5 μg) per 50 μl reaction volume.

**Random Primers**

Random Hexamers  
**Cat#:** ABP-PP-PRMRHEX  
**Conc.** 50uM  
**Size:** 50ul  
**Store at -20° C**  

Random Hexamers are short oligodeoxyribonucleotides of random sequence [d(N)6 ] that anneal to random complementary sites on RNA for preparing cDNA by reverse transcriptase. The primer mixture is supplied in DEPC-treated water at a concentration of 50uM. The primer is phosphorylated at the 5’ end. We recommend using 1 μl of primer per 20 μl reaction volume.

Random Decamers  
**Cat#:** ABP-PP-PRMRDEC  
**Conc.** 50uM  
**Size:** 50ul  
**Store at -20° C**  

Random Decamers are short oligodeoxyribonucleotides of random sequence [d(N)10 ] that anneal to random complementary sites on RNA for preparing cDNA by reverse transcriptase. The primer mixture is supplied in DEPC-treated water at a concentration of 50uM. The primer is phosphorylated at the 5’ end. We recommend using 1 μl of primer per 20 μl reaction volume.