

Megaprime DNA labeling	RPN1604	RPN1605	RPN1606	RPN1607
Primer solution: Random nonamer primers in an aqueous solution	150 µl	300 µl	150 µl	300 µl
Labeling buffer; dATP, dGTP and dTTP in Tris/HCl pH7.5, 2-mercaptoethanol and MgCl ₂	-	-	300 µl	600 µl
Nucleotide solutions (a) dATP (b) cCTP (c) dGTP (d) dTTP in Tris/HCl pH8.0, 0.5 mM EDTA	120 µl 120 µl 120 µl 120 µl	240 µl 240 µl 240 µl 240 µl	- - - -	- - - -
Reaction buffer: A 10 × concentrated buffer containing Tris/HCl pH7.5, 2-mercaptoethanol and MgCl ₂	150 µl	300 µl	-	-
Enzyme solution; 1 unit/µl DNA polymerase 1 Klenow fragment (cloned in 100 mM potassium phosphate pH6.5, 10 mM 2-mercaptoethanol and 50% glycerol)	60 µl	120 µl	60 µl	120 µl
Standard DNA solution; 5 ng/µl Hind III digested lambda DNA in 10 mM Tris/HCl pH 8.0, 1 mM EDTA	25 µl	50 µl	25 µl	50 µl
Carrier DNA solution; 500 ng/ml sonicated herring sperm DNA in 10 mM Tris/HCl pH 8.0, 1 mM EDTA	1.25 ml	2.5 ml	1.25 ml	2.5 ml