

Blend Taq™

Code No. **BTQ-101**

Lot No. *********

Size **250units**

Concentration : 2.5 units/ μ L

Unit Definition : One unit of enzyme is defined as the amount of enzyme that will incorporate 10 nmoles of dNTPs into acid insoluble material in 30 minutes at 75°C.

Assay Condition :

25	mM	TAPS(pH9.3)
50	mM	KCl
10	mM	MgCl ₂
200	μ M	each of dATP,dGTP,dTTP
100	μ M	[α - ³² P]-dCTP
20	μ g	activated salmon sperm DNA per 50 μ L reaction

Storage Buffer :

20	mM	Tris-HCl(pH8.0)
100	mM	KCl
0.1	mM	EDTA
1	mM	DTT
0.5	%	Tween-20
0.5	%	Nonidet P-40
50	%	Glycerol

Materials Provided :

10 × Buffer for Blend Taq™	(Mg ²⁺ concentration: 20mM)
dNTPs	: 2mM dATP,dGTP,dCTP,dTTP each

Quality Control

1. PCR Assay : The 17.5kbp fragment of human β globin gene could be amplified using human genomic DNA.

