

# Blend Taq™-Plus-

Code No. **BTQ-201**Lot No. **\*\*\*\*\***Size **250units**

Concentration : Blend Taq™-Plus- 2.5 units/μL  
 anti-Taq DNA polymerase antibody 0.5 μg/μL

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<sub>2</sub>  
 200 μM each of dATP,dGTP,dTTP  
 100 μM [ $\alpha$ -<sup>32</sup>P]-dCTP  
 20 μg activated salmon sperm DNA per 50 μL 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<sup>2+</sup> concentration: 20mM)  
 : dNTPs : 2mM dATP,dGTP,dCTP,dTTP each

Quality Control  
 1. PCR Assay : The 17.5kbp fragment of human  $\beta$  globin gene could be amplified using human genomic DNA.

