**Taq polymerase**  
  
Taq polymerase Storage/dilution buffer (Promega B)  
20 mM Tris-HCl pH8.0  
100 mM KCl  
0.1 mM EDTA  
1 mM DTT  
50% glycerol  
1mg/ml gelatin  
0.5% NP-40  
0.5% Tween 20

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| --- | --- |
| 1M Tris-HCl pH8.0 | 0.5 ml |
| 1M KCl | 2.5 ml |
| 0.5 M EDTA | 5 µl |
| Geratin | 3.125 mg |
| Glycerol | 12.5 ml |
| NP40 | 125 µl |
| Tween 20 | 125 µl |
| 1M DTT | 25 µl |
| DW | (total 25 ml) 9.22 ml |

Taq Polymerase reaction buffer (Promega)  
500 mM KCl  
100 mM Tris-HCl pH9.0  
1% Triton X-100  
25 mM MgCl2

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| --- | --- |
| Tris base | 1.21 g |
| KCl | 3.72 g |
| 10% Triton X-100 (add after autoclave) | 10 ml |
| 1M MgCl2 | 2.5 ml |
| DW | total 100 ml |

Adjust pH to 9.0 with HCl (and if needed, with KOH)