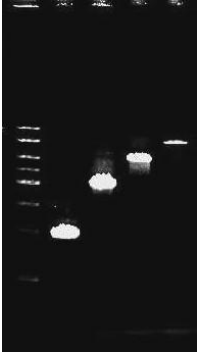


Taq PCR Premix

Product code	02-100 02-100-5												
Size	100 reactions 500 reactions												
Storage	-20°C Repeated freezing and thawing may decrease enzyme activity. If you store this product at 4°C, please use it within 3 months.												
Product Description	Taq PCR Premix is an optimized ready-to-use solution containing Taq DNA Polymerase, dNTPs, MgCl ₂ , KCl and stabilizers. It is ideally suited to routine PCR applications from templates including pure DNA solutions bacterial colonies and cDNA products.												
Composition	Taq PCR Premix 10 mM Tris-HCl, 50 mM MgCl ₂ , 0.2 mM dNTPs, 5 % Glycerol, 0.08 % NP-40, 0.05 % Tween-20, 25 units/ml Taq DNA Polymerase, pH 8.6 @ 25°C, 0.0005 % BPB, 0.001% XC												
Quality Assurance	Greater than 95% purity as determined by SDS-PAGE (CBB staining). The absence of endonuclease and exonucleases was confirmed.												
PCR product	PCR products have one A added at the 3'-terminus. Thus, the PCR product can be used directly for cloning into a T-vector. Additionally, it is possible to clone the product in blunt-end vectors after blunting and phosphorylation of the end.												
Application	• PCR • Primer Extension • Colony PCR • High-Throughput PCR												
Data	<table border="1" style="width: 100%;"> <tr> <th colspan="2">Composition of PCR reaction Mixture (total 50μl)</th> </tr> <tr> <td>Taq PCR Premix</td> <td style="text-align: right;">25 μl</td> </tr> <tr> <td>Template</td> <td style="text-align: right;"><500 ng</td> </tr> <tr> <td>Primer 1</td> <td style="text-align: right;">0.2~1.0 μM (final conc.)</td> </tr> <tr> <td>Primer 2</td> <td style="text-align: right;">0.2~1.0 μM (final conc.)</td> </tr> <tr> <td>Sterile distilled water</td> <td style="text-align: right;">up to 50 μl</td> </tr> </table> <p><u>PCR条件</u> 98 °C 10sec 57 °C 30sec 25cycles 72 °C 8min. (2min in the case of 2kb DNA.)</p> <div style="display: flex; align-items: center;"> <div style="margin-right: 20px;"> <p>Lane M : marker</p> <p>1 : 2 kbp</p> <p>2 : 4 kbp</p> <p>3 : 6 kbp</p> <p>4 : 8 kbp</p> </div>  </div> <p style="text-align: center;">Fig. 1 Amplification of λ DNA</p> <p>Notes: Repeated freezing and thawing may decrease enzyme activity. Once thawed, aliquot into PCR tubes and store at -20°C. If you store this product at 4°C, please use it within 3 months.</p>	Composition of PCR reaction Mixture (total 50μl)		Taq PCR Premix	25 μl	Template	<500 ng	Primer 1	0.2~1.0 μM (final conc.)	Primer 2	0.2~1.0 μM (final conc.)	Sterile distilled water	up to 50 μl
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Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.													