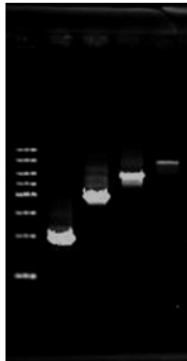
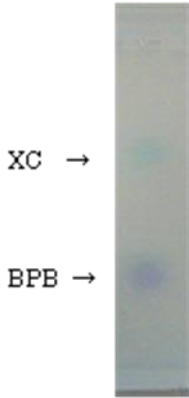


Taq PCR Premix with Dyes

Product code	02-102 02-102-5												
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 with Dyes 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 with Dyes (x2) 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												
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 with Dyes(x2)</td> <td>25 µl</td> </tr> <tr> <td>Template</td> <td><500 ng</td> </tr> <tr> <td>Primer 1</td> <td>0.2~1.0 µM (final conc.)</td> </tr> <tr> <td>Primer 2</td> <td>0.2~1.0 µM (final conc.)</td> </tr> <tr> <td>Sterile distilled water</td> <td>up to 50 µl</td> </tr> </table> <p>Fig.1 Amplification of λ DNA</p> <p>PCR 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-left: 10px;"> <p>Lane M: marker 1: 2 kbp 2: 4 kbp 3: 6 kbp 4: 8 kbp</p> </div> </div> <div style="margin-top: 20px;"> <p>Fig.2</p>  </div>	Composition of PCR reaction Mixture (total 50µl)		Taq PCR Premix with Dyes(x2)	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.													