



## Polymerases and PCR kits

Polymerases provide an antibody-mediated hot-start ensuring highly specific and sensitive PCR amplification.

Both enzymes are completed with 10X general purpose PCR buffer.

PCR kits includes all components necessary for PCR: polymerase, a mix of high purity deoxyribonucleotides, sterile PCR water and three reaction buffers (general purpose buffer, GC buffer for amplification of GC-rich templates and Red buffer for direct loading on agarose gels).

	Common features	Key features	Applications
Encyclo polymerase	<ul style="list-style-type: none"> <li>• Proofreading 3'→5' exonuclease activity</li> <li>• Lack of 5'→3' exonuclease activity</li> </ul>	High processivity	<ul style="list-style-type: none"> <li>• cDNA amplification</li> <li>• Long PCR (up to 20 Kb)</li> <li>• Amplification of low-copy-number targets</li> </ul>
Tersus polymerase	<ul style="list-style-type: none"> <li>• Hot start</li> <li>• TA cloning compatibility</li> </ul>	High fidelity High specificity	<ul style="list-style-type: none"> <li>• Amplification of DNA for subsequent cloning or sequencing</li> <li>• Site-specific mutagenesis</li> <li>• High specific PCR from complex templates</li> </ul>

### Available products

Product	Cat.#	Size (25 µl rxn)
Encyclo polymerase	PK002S	200
	PK002L	1000
Encyclo Plus PCR kit	PK101	200
Tersus polymerase	PK123S	200
	PK123L	1000
Tersus Plus PCR kit	PK121	200

Storage: -20°C.

Products are intended for research purposes only.

For more information, please visit our web-site:

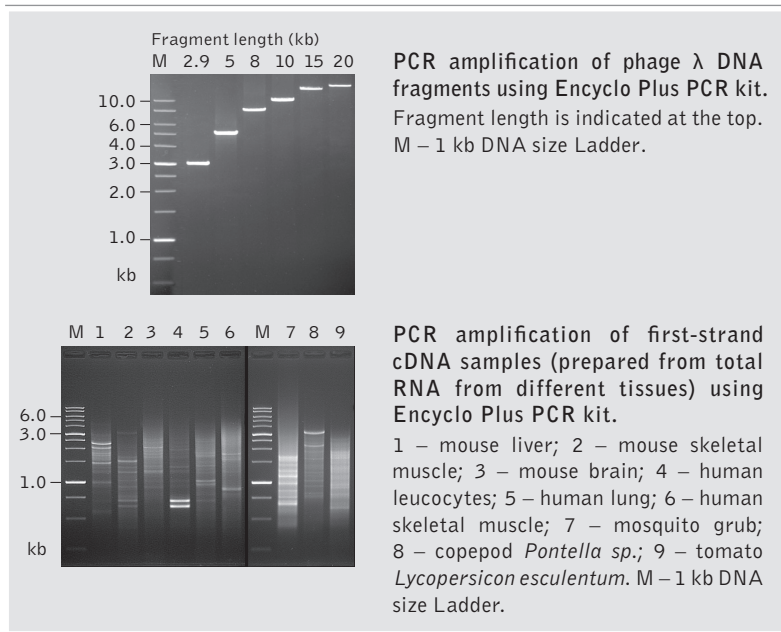
[www.evrogen.com](http://www.evrogen.com)



## Encyclo polymerase and Encyclo Plus PCR kit

For robust routine PCR, amplification of low-copy-number targets, long PCR, cDNA amplification.

Encyclo polymerase produces high yields of PCR products from a wide variety of templates and is suitable for most PCR and primer extension applications, including the amplification of difficult templates and long PCR.



## Tersus polymerase and Tersus Plus PCR kit

For high-fidelity PCR.

Tersus polymerase is a specially developed mix of proofreading and highly processive PCR enzymes. Tersus polymerase has about 4 times lower error rate than Encyclo polymerase that makes it an ideal choice for cloning and other applications requiring high-fidelity amplification. High specificity of Tersus polymerase ensures its excellent performance in amplification of difficult templates, such as highly homologous repeats, genomic DNA or cDNA libraries.

