

# End Point PCR



A wide range of products to meet all  
DNA amplifications

**BIOTOOLS**  
BIOTEC S.R.L. & B&M LABS S.R.L.

## Biotoools End point line

Biotoools offers a wide selection of high quality kits enzymes and reagents. All of the kits have been designed for high efficiency, high yield, sensitivity and specificity for a wide range of samples. Choose from a variety of enzyme application types, formats depending on the flexibility needed to perform your experiments.

### Features

### Applications

Standard Polymerase	<ul style="list-style-type: none"> <li>• Concentration: 1 and 5 U/<math>\mu</math>l</li> <li>• Size of PCR products: Up to 5 Kb</li> <li>• PCR cloning: T/A</li> <li>• Endonuclease activity: No</li> <li>• Reverse transcriptase activity: No</li> <li>• 5'3' exonuclease activity: Yes</li> <li>• 3'5' exonuclease activity: No</li> </ul>	<ul style="list-style-type: none"> <li>• Standard PCR</li> <li>• Multiplex PCR</li> <li>• In situ PCR</li> <li>• DNA sequencing</li> <li>• Other reactions requiring DNA synthesis at high temperature</li> </ul>	DNA polymerase
HotStart effect	<ul style="list-style-type: none"> <li>• Concentration: 1 and 5 U/<math>\mu</math>l</li> <li>• Size of PCR products: Up to 5 Kb</li> <li>• PCR Cloning: T/A</li> <li>• Endonuclease activity: No</li> <li>• Reverse Transcriptase Activity: No</li> <li>• 5'3' Exonuclease Activity: Yes</li> <li>• 3'5' Exonuclease Activity: No</li> </ul>	<ul style="list-style-type: none"> <li>• High sensitivity PCR</li> <li>• High specificity PCR</li> <li>• Standard PCR</li> <li>• Multiplex PCR</li> <li>• q-PCR</li> </ul>	HotSplit DNA Polymerase
Highly Pure	<ul style="list-style-type: none"> <li>• Concentration: 1 U/<math>\mu</math>l</li> <li>• Size of PCR products: Up to 5 Kb</li> <li>• PCR cloning: T/A</li> <li>• Endonuclease activity: No</li> <li>• Reverse transcriptase activity: No</li> <li>• 5'3' exonuclease activity: Yes</li> <li>• 3'5' exonuclease activity: No</li> </ul>	<ul style="list-style-type: none"> <li>• Highly specific amplification</li> <li>• Low-copy target amplification</li> <li>• Bacterial sequences amplification</li> <li>• Detection of bacterial pathogens in clinical samples</li> <li>• Standard PCR</li> <li>• q-a wide range of products to meet all DNA amplifications PCR</li> </ul>	Ultratools DNA Polymerase
Proofreading	<ul style="list-style-type: none"> <li>• Concentration: 1 and 5 U/<math>\mu</math>l</li> <li>• Size of PCR products: Up to 5 Kb</li> <li>• PCR cloning: Blunt ends</li> <li>• Endonuclease activity: No</li> <li>• Reverse transcriptase activity: No</li> <li>• 5'3' exonuclease activity: No</li> <li>• 3'5' exonuclease activity: Yes</li> </ul>	<ul style="list-style-type: none"> <li>• High-fidelity PCR</li> <li>• Long and complex amplifications</li> <li>• Gene cloning</li> <li>• Mutation analysis</li> <li>• Standard PCR</li> <li>• In situ PCR</li> </ul>	<i>Pfu</i> DNA Polymerase
Long Amplification	<ul style="list-style-type: none"> <li>• Size of PCR products: up to 15 Kb from genomic DNA up to 40 Kb from lambda DNA</li> <li>• 5'3' exonuclease activity: Yes</li> <li>• 3'5' exonuclease activity: Yes</li> </ul>	<ul style="list-style-type: none"> <li>• Cloning: PCR product can be used in T/A cloning as well as blunt-ended cloning</li> <li>• The kit is not recommended for sequencing uses</li> </ul>	Certamp for long amplification
Complex Amplification	<ul style="list-style-type: none"> <li>• Size of PCR products up to 8Kb</li> <li>• 5'3' exonuclease activity: Yes</li> <li>• 3'5' exonuclease activity: Yes</li> <li>• PCR cloning: Blunt ends and T/A</li> </ul>	<ul style="list-style-type: none"> <li>• Amplification of genomic DNA</li> <li>• Amplification of GC-rich templates</li> <li>• Amplification of DNA targets with secondary structure</li> <li>• Amplification from low amounts of templates (<math>\geq 0.5\mu</math>g)</li> </ul>	Certamp for complex amplification

**ORDERS:** Fax: +34 91 505 31 18 Mail: [orders@biotools.eu](mailto:orders@biotools.eu)

## Ordering information

Ref.	Product	Format	Ref.	Product	Format
10.002	Biotools DNA polymerase 1U/μl BS	500 U	10.221	Ultratools 1U/μl BS	100 U
10.003	Biotools DNA polymerase 1U/μl BS	1.000 U	10.222	Ultratools 1U/μl BS	250 U
10.004	Biotools DNA polymerase 1U/μl BS	5.000 U	10.231	Ultratools 1U/μl BF	100 U
10.012	Biotools DNA polymerase 1U/μl BF	500 U	10.232	Ultratools 1U/μl BF	250 U
10.013	Biotools DNA polymerase 1U/μl BF	1.000 U			
10.014	Biotools DNA polymerase 1U/μl BF	5.000 U	4552	Ultratools 5U/μl BF	100 U
			4553	Ultratools 5U/μl BF	250 U
10.042	Biotools DNA polymerase 5U/μl BS	500 U			
10.043	Biotools DNA polymerase 5U/μl BS	1.000 U	10.501	Biotools Pfu DNA Polymerase 1U/μl BS	100 U
10.044	Biotools DNA polymerase 5U/μl BS	5.000 U	10.502	Biotools Pfu DNA Polymerase 1U/μl BS	250 U
10.047	Biotools DNA polymerase 5U/μl BF	500 U	10.511	Biotools Pfu DNA Polymerase 1U/μl BF	100 U
18.042	Biotools DNA polymerase 5U/μl BF	1.000 U	10.512	Biotools Pfu DNA Polymerase 1U/μl BF	250 U
10.049	Biotools DNA polymerase 5U/μl BF	5.000 U			
4547	Biotools DNA polymerase 5U/μl BF	10.000 U	4555	Biotools Pfu DNA Polymerase 5U/μl BF	100 U
			4556	Biotools Pfu DNA Polymerase 5U/μl BF	250 U
10.531	Biotools HotSplit DNA polymerase 1U/μl BF	250 U			
10.532	Biotools HotSplit DNA polymerase 1U/μl BF	500 U	10.332	Certamp for Long Amplification	250 rxns
10.533	Biotools HotSplit DNA polymerase 1U/μl BF	1.000 U	10.333	Certamp for Long Amplification	500 rxns
4549	Biotools HotSplit DNA polymerase 5U/μl BF	500 U	10.342	Certamp for Complex Amplification	250 rxns
4550	Biotools HotSplit DNA polymerase 5U/μl BF	1.000 U	10.343	Certamp for Complex Amplification	500 rxns

\* **BS** (incl. 10x Standard Reaction Buffer with MgCl<sub>2</sub>)

\*\* **BF** (incl. 10 x Reaction Buffer MgCl<sub>2</sub> Free + 50 mM MgCl<sub>2</sub> solution)



**CUSTOMER SERVICE:** [technicalsupport@biotools.eu](mailto:technicalsupport@biotools.eu)



[www.biotools.eu](http://www.biotools.eu)



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