

DNA/RNA AMPLIFICATION GUIDE



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



High Quality PCR Enzymes, Master Mixes and Kits

The leading scientists from academic research, hospitals, diagnostics laboratories and biotech companies worldwide rely on Biotools. We offer a complete range of DNA and RNA amplification products with competitive results with any commercially available products.

Wide Range of Products

A complete range of reagents for DNA and RNA extraction, purification and amplification to meet all the needs of any lab with the most sophisticated and complex assays. Our systems are flawlessly compatible with the equipment available in the market without accessory reagents.

Know-how

Our core business is focused on the development of tools for PCR, that's why we have a vast know-how in this technology.

Our knowledge is reflected in our diverse technological patents, such as Gelification Technology, an improved way to work with PCR.

Competitive Prices and Service

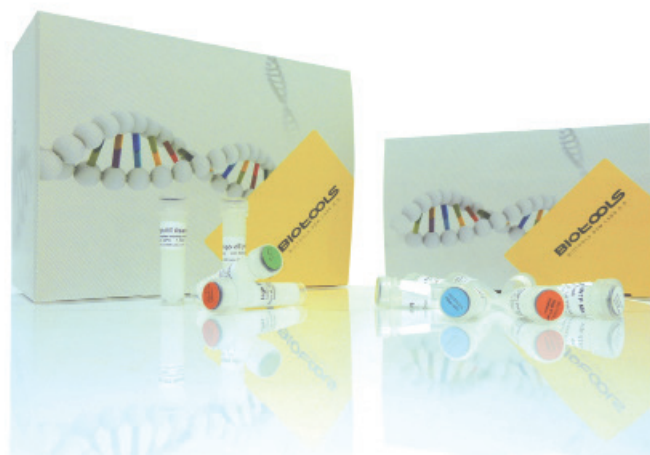
At Biotools we understand that a top-quality product is not enough to meet the customer's needs. In addition, fast service and competitive prices are also essential in keeping customer loyalty.

Our long experience and constantly improving manufacturing processes allow us to offer products at highly competitive prices.

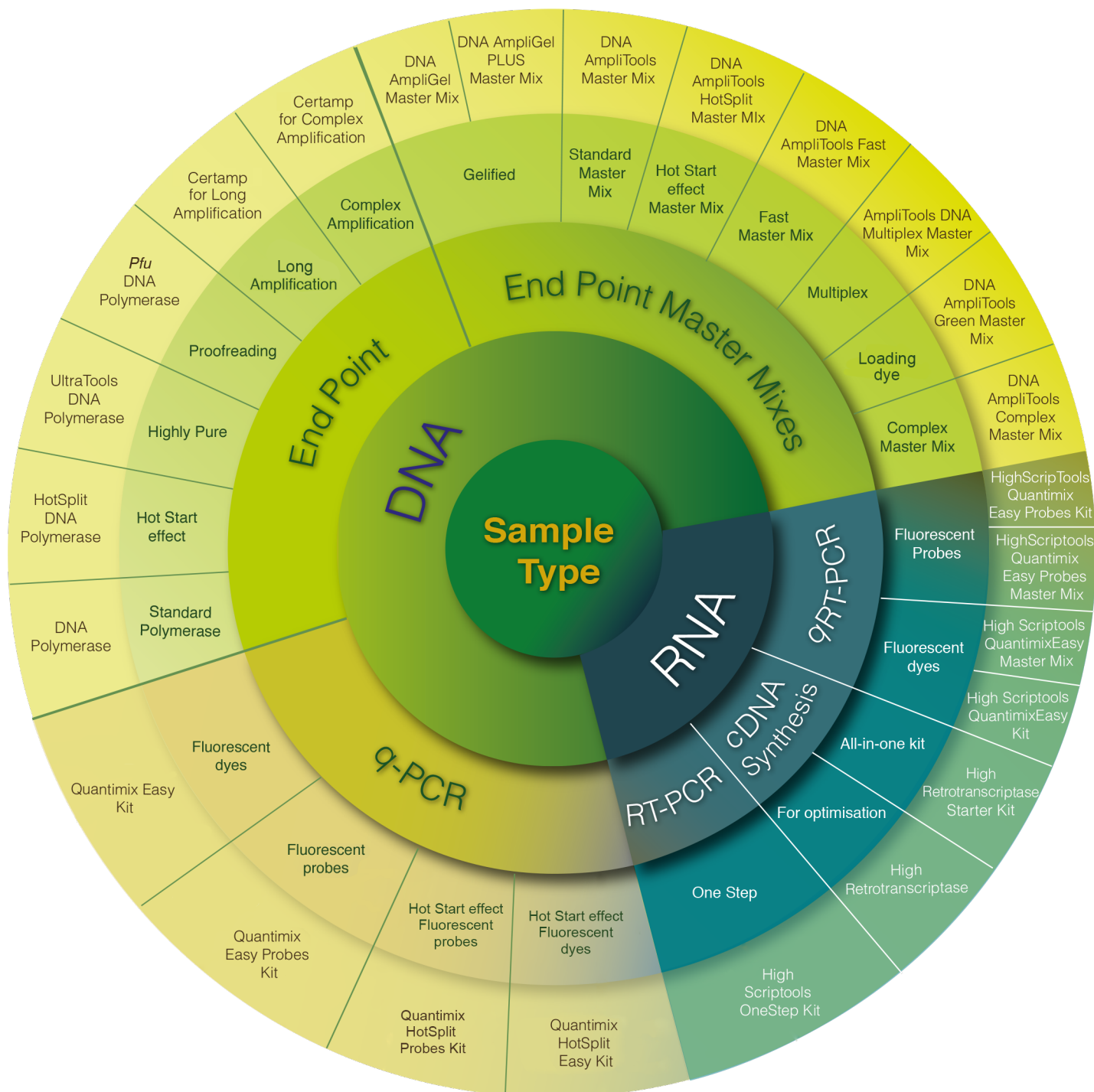
Broad Experience

Two decades ensuring that our clients achieve their goals drives us forward. In over 20 countries Biotools offers customized service in food security, veterinary, agricultural, biomedical and biosecurity fields.

The Science of Smart

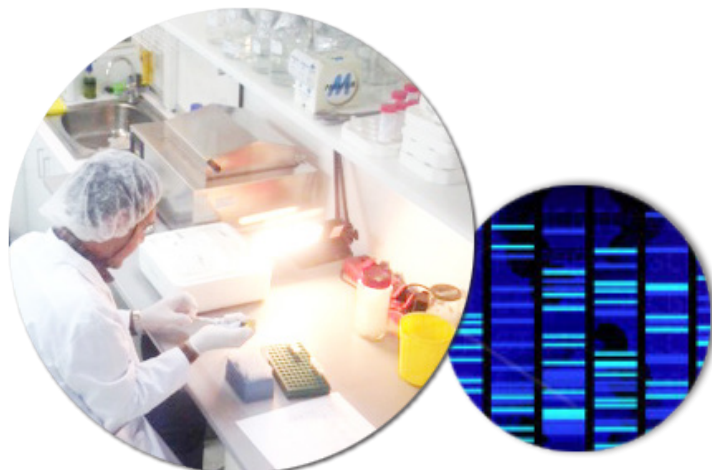


IMPROVING YOUR SELECTION CREATING NEW DNA/RNA TOOLS



SELECT YOUR DNA POLYMERASE

	Product	Features	Amplification Size	Exonuclease Activity	Fidelity	GC Rich Format	Hot Start Format	Free of <i>E.coli</i> DNA	Master Mix Format	Concentration
DNA END POINT	DNA Polymerase	Standard	Up to 5 kb	5' → 3'	++				✓	1U/μL and 5U/μL
	HotSplit DNA Polymerase	Hot Start effect	Up to 5 kb	5' → 3'	++	✓	✓		✓	1U/μL and 5U/μL
	Ultratools DNA Polymerase	Highly pure	Up to 5 kb	5' → 3'	++			✓		1U/μL and 5U/μL
	Pfu DNA Polymerase	Proofreading	Up to 5 kb	3' → 5'	++++					1U/μL and 5U/μL
	Certamp for Complex Amplification	Complex	Up to 8 kb	5' → 3' and 3' → 5'	+++	✓			✓	1U/μL
	Certamp for Long Amplification	Long	Up to 15 kb Up to 40 kb	5' → 3' and 3' → 5'	+++					1U/μL



SELECT YOUR REVERSE TRANSCRIPTION SYSTEM

	Product	Retrotranscription temperature	Sensitivity	RNase H activity	Primers Included	First-strand Synthesis kits	RT-PCR Kit Format	One step kit	qRT-PCR Kit Format	Detection Method
RNA END POINT REAL TIME	High Retrotranscriptase	Up to 65°C	10 pg - 1 μg Total RNA	NO		✓				
	High Retrotranscriptase Starter kit	Up to 65°C	10 pg - 1 μg Total RNA	NO	Oligo dT ₁₅ and/or Random Hexamers	✓				
	High Scriptools OneStep kit	Up to 65°C	0,2 ng - 1 μg Total RNA	NO			✓	✓		
	High Scriptools Quantimix Easy kit	Up to 65°C	0,1 ng - 1 μg Total RNA	NO				✓	✓	Fluorescent dyes
	High Scriptools Quantimix Easy Probes kit	Up to 65°C	10 pg - 1 μg Total RNA	NO				✓	✓	Fluorescent probes

ORDERS: Fax: +34 91 505 31 18 Mail: orders@biotools.eu

SELECT YOUR MASTER MIX



Product	Detection Method	Fast Amplifications	Loading Dye	Complex Amplifications	Hot Start effect	Gelified Format	Ready to use	Multiplex
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DNA	END POINT	DNA AmpliTools Master Mix						
		DNA AmpliTools HotSplit Master Mix			✓			
		DNA AmpliTools Fast Master Mix	✓					
		DNA AmpliTools Green Master Mix		✓				
		DNA AmpliTools Complex Master Mix		✓	✓			
		Amplitoools Multiplex Master Mix						✓
		DNA AmpliGel Master Mix-Strips			✓	✓	✓	
		DNA AmpliGel Master Mix-Plates			✓	✓	✓	
		DNA AmpliGel Plus Master Mix			✓	✓	✓	
	REAL TIME	Quantimix Easy kit	Fluorescent dyes					
		Quantimix Easy Probes kit	Fluorescent probes					
		Quantimix HotSplit Easy kit	Fluorescent dyes		✓			
		Quantimix HotSplit Probes kit	Fluorescent probes		✓			
RNA	REAL TIME	High ScripTools-Quantimix Easy Master Mix	Fluorescent dyes		✓			
		High ScripTools-Quantimix Easy Probes Master Mix	Fluorescent probes		✓			

CUSTOMER SERVICE: Mail: info@biotools.eu





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