



# YOUR ROVEXCELLENT MASTER MIXES AND ENZYMES AND FOR PCR

## **STANDARD PCR**

Ensure high yield amplification

## **HOT START PCR**

Achieve absolute specificity and sensitivity

## **HIGH FIDELITY PCR**

Profit from excellent accuracy

## **LONG AND ACCURATE PCR**

Overcome the most challenging assays

## **BENEFIT FROM ATTRACTIVE PRICES**

ROVALAB





## STANDARD PCR

### 2 x PCR Master Mixes

Features:

- Significant time savings in PCR preparation
- Fewer reagent handling steps
- Reduced chance of errors
- Reproducible results every time
- Available with red visualization dye

### ROVEXCELLENT Taq DNA Polymerase

Features:

- Excellent thermal stability at 95 °C over 60 min.
- Unrivalled amplification yield
- Incorporates modified nucleotides
- Sensitive amplification of *single-copy* genes
- Available with red visualization dye

## ORDERING INFORMATION

Product	Catalog #	Size
2 x PCR Master Mix	R 500	100 reactions, 2 x 1,25ml
	R 501	500 reactions, 10 x 1,25 ml
2 x Red PCR Master Mix	R 540	100 reactions, 2 x 1,25 ml
	R 541	500 reactions, 10 x 1.25 ml
Taq DNA Polymerase	Taq 100	100 U
	Taq 500	500 U
Red Taq DNA Polymerase 1 U / µl	Red 1 - 100	100 U
	Red 1 - 500	500 U

## HOT START PCR

### 2x Hot Start PCR Master Mixes

Features:

- Convenience: minimal PCR optimisation
- Reduced risk of contamination
- Reduced non-specific amplification
- Low chance of errors
- Reliable, consistent results
- Available with red visualization dye

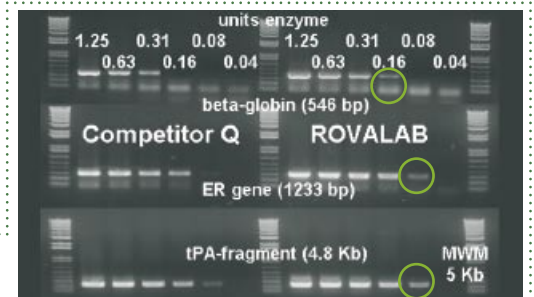
### Hot Start Taq DNA Polymerase

Features:

- Excellent performance in QPCR
- Maximum specificity and sensitivity
- Fast activation: 2-5 minutes
- Incorporates modified nucleotides
- Available with red visualization dye

A serially diluted ROVEXCELLENT Hot Start Polymerase shows superior sensitivity and yield in amplifying different human genomic templates compared with competitor Q.

## EXCEPTIONAL SENSITIVITY



## ORDERING INFORMATION

Product	Catalog #	Size
2 x Hot Start PCR Master Mix	R 530	100 reactions, 2 x 1,25 ml
	R 531	500 reactions, 10 x 1.25 ml
2 x Red Hot Start PCR Master Mix	R 520	100 reactions, 2 x 1,25 ml
	R 521	500 reactions, 10 x 1.25 ml

Product	Catalog #	Size
Hot Start DNA Polymerase, 5 U / µl	HS 100	100 U
	HS 500	500 U
Red Hot Start DNA Polymerase, 5 U / µl	Red HS 100	100 U
	Red HS 500	500 U

## HIGH FIDELITY PCR

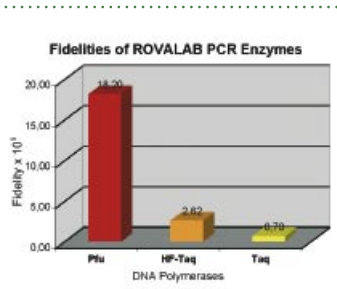
### Pfu DNA Polymerase

Features:

- Unrivalled fidelity
- High sensitivity and reliability

## EXCELLENT FIDELITY

The Pfu Polymerase is **twenty-six times more accurate** and the High Fidelity PCR Enzyme Mix **four times more accurate** than Taq DNA Polymerase.



The comparative fidelity of ROVEXCELLENT enzymes was measured by amplification of a 323 bp lacZ<sup>+</sup> gene using the modified method of Lundberg (Gene;108,1-6,1991).

## ORDERING INFORMATION

Product	Catalog #	Size
2 x pfu Master Mix	R 550	100 reactions, 2 x 1,25 ml
	R 551	500 reactions, 10 x 1.25 ml

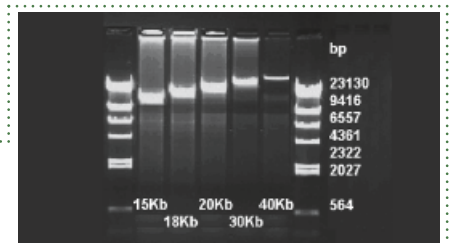
## LONG AND ACCURATE PCR

### High Fidelity PCR Enzyme Mix

Features:

- PCR amplification of extremely long products up to 40 kb
- Amplification of difficult low copy templates and GC-rich templates using the supplied Band Doctor

## OUTSTANDING AMPLIFICATION UP TO 40 KB PCR



Efficient amplification of 1 ng lambda DNA using 1.25 U ROVEXCELLENT High Fidelity PCR Enzyme Mix in the demanding 40kb-Test.

Product	Catalog #	Size
pfu DNA Polymerase, 2,5 U / µl	PF 100	100 U
	PF 500	500 U
High Fidelity PCR Enzyme Mix, 2,5 U / µl	HF 100	100 U
	HF 500	500 U

## CONTACT

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## DISTRIBUTOR