

Marketplace

Science, savings, and something fun

Player 1

LEVEL UP

ACCURACY

DEXTERITY

Gain PCR insights

Journey through the PCR workflow with helpful tips and trusted Thermo Scientific products

Save 35% on selected PCR reagents* through June 30, 2019

Solve the bonus challenge puzzle

thermofisher.com/marketplace

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 **BioSciences**
Delivering Excellence

PCR insights for your research quest

While the fundamentals of PCR are straightforward, there are many small details that can cause a seemingly simple experiment to fail. To help you avoid this frustration, here are some PCR insights to help you move forward in your research journey.

thermofisher.com/tspcr

LEVEL UP

For reproducible RT-qPCR results, use a robust reverse transcriptase

Thermo Scientific™ Maxima™ H Minus Reverse Transcriptase provides fast (15–30 minutes), reliable cDNA synthesis over a wide range of RNA inputs (1 pg–2.5 µg). Maxima kits and master mixes are also available with an integrated gDNA removal step for efficient and simplified workflows.

thermofisher.com/maxima

TURBO BOOST

Rely on short, simple protocols to isolate pure nucleic acids quickly

Thermo Scientific™ GeneJET™ purification kits offer short, simple protocols to enable easy DNA and RNA isolation.

thermofisher.com/genejet

AVOID LAG

For faster PCR genotyping, bypass lengthy purification steps

Add your genotyping sample directly to Thermo Scientific™ Direct PCR master mixes. Help save time with minimal sample handling, no DNA purification, and fast PCR cycling.

thermofisher.com/directpcr

ACCURACY

Get more out of your high-fidelity PCR with a proven and trusted DNA polymerase

Thermo Scientific™ Phusion™ high-fidelity DNA polymerase is widely used for its accuracy (up to 52x more accurate than *Taq* DNA polymerase), speed (extension 15–30 s/kb), and value. Specialized formats include Phusion U Hot Start DNA Polymerase, which enables high-fidelity amplification of uracil-containing templates.

thermofisher.com/phusion

HIDDEN OBJECT

Cut time-wasters to uncover everyday PCR results faster

Due to specially formulated reaction buffers, Thermo Scientific™ DreamTaq™ DNA Polymerase enables robust DNA amplification with minimal optimization of reaction conditions. Green master mixes help minimize pipetting and handling errors.

thermofisher.com/dreamtaq

PERK

Find the right fit, fast

Quickly find the right plastics for your PCR with the plastics selection tool.

Help reduce consumables waste with Thermo Scientific™ VersiPlate™ PCR Strip Tube Plates—tear off what you need and save the rest for the next experiment.

Help prevent cross-contamination by using Thermo Scientific™ EasyStrip™ Plus Tube Strips with individually attached caps.

thermofisher.com/findplastics

LAB HACK

Skip a step with agarose tablets

No messy weighing is required with fast-dissolving Thermo Scientific™ TopVision™ Agarose Tablets.

thermofisher.com/topvision

UPGRADE

Help reduce pipetting with ready-to-use DNA ladders

Ready-to-use Thermo Scientific™ GeneRuler™ DNA Ladders include TriTrack™ tracking dyes premixed in the buffer. Ladders are also conveniently stable at room temperature.

thermofisher.com/generuler

UNLOCK THE NEXT STAGE

Want to learn more?

Visit our molecular biology resource section for videos, webinars, and spotlight articles.

thermofisher.com/mbresources

Save 35%* on products essential for your PCR workflow

To redeem your 35% discount, use the promotion code **RM9135**; refer to the back cover for additional terms and conditions and ordering information. Offer expires June 30, 2019.

For more products and to place your order online, visit thermofisher.com/marketplace

	Product	Quantity	Cat. No.
Nucleic acid isolation	GeneJET Plasmid Maxiprep Kit	10 preps/25 preps	K0491/2
	GeneJET Plasmid Miniprep Kit	50 preps/250 preps	K0502/3
	GeneJET Genomic DNA Purification Kit	50 preps/250 preps	K0721/2
	GeneJET Gel Extraction and DNA Cleanup Micro Kit	50 preps/250 preps	K0831/2
	GeneJET RNA Cleanup and Concentration Micro Kit	50 preps/250 preps	K0841/2
Reverse transcription	Maxima H Minus cDNA Synthesis Master Mix, with dsDNase	50 rxns/200 rxns	M1681/2
	Maxima H Minus First Strand cDNA Synthesis Kit, with dsDNase	20 rxns/100 rxns	K1681/2
High-fidelity PCR	Phusion Hot Start II High-Fidelity PCR Master Mix	100 rxns/500 rxns	F565S/L
	Phusion Green Hot Start II High-Fidelity PCR Master Mix	100 rxns/500 rxns	F566S/L
	Phusion U Hot Start DNA Polymerase	100 units/500 units	F555S/L
Hot-start PCR	DreamTaq Hot Start PCR Master Mix	200 rxns/1,000 rxns	K9011/2
	DreamTaq Hot Start Green PCR Master Mix	200 rxns/1,000 rxns	K9021/2
Standard PCR	DreamTaq PCR Master Mix	200 rxns/1,000 rxns	K1071/2
	DreamTaq Green PCR Master Mix	200 rxns/1,000 rxns	K1081/2
Direct PCR	Phire Tissue Direct PCR Master Mix	250 rxns/1,250 rxns	F170S/L
	Phire Plant Direct PCR Master Mix	250 rxns/1,250 rxns	F160S/L
	Phusion Blood Direct PCR Master Mix	100 rxns/500 rxns	F175S/L
PCR and qPCR plastics	VersiPlate PCR Strip Tube Plate, 96-well, low profile	25 plates	AB-1800
	VersiPlate PCR Strip Tube Plate, 96-well, low profile, white	25 plates	AB-1800/W
	VersiPlate Frame, 96-well, skirted, white	25 plates	AB-1805
	VersiCap Mat, 96-well, domed cap strips	25 mats	AB-1810
	VersiCap Mat, 96-well, flat cap strips	25 mats	AB-1815
	VersiCap Mat, 96-well, ultra-clear cap strips	25 mats	AB-1820
	EasyStrip Plus Tube Strip with Attached Flat Caps	250 strips	AB-2000
	EasyStrip Plus Tube Strip with Attached Ultra Clear Caps	250 strips	AB-2005
	Tubes, 0.2 mL, flat cap	1,000 tubes	AB-0620
dNTPs	dNTP Set, 100 mM Solutions	4 x 0.25 mL/4 x 1 mL	R0181/2
	dNTP Mix (10 mM each)	0.2 mL/1 mL	R0191/2
Agarose	TopVision Agarose Tablets (0.5 g each)	200 tablets/1,000 tablets	R2801/2
DNA ladders	GeneRuler 100 bp DNA Ladder, ready-to-use	50 µg/5 x 50 µg	SM0243/4
	GeneRuler 1 kb DNA Ladder, ready-to-use	50 µg/5 x 50 µg	SM0314/3
	GeneRuler 1 kb Plus DNA Ladder, ready-to-use	50 µg/5 x 50 µg	SM1333/4

Bonus challenge

To solve this riddle, use the clues below to find the letter within the PCR journey (see inside) that corresponds to each heart.


You are a

P		
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 **Phusion U DNA polymerase** enables amplification of uracil-containing DNA templates.


 For short, simple nucleic acid isolation protocols, use _____.

 To perform cDNA synthesis in 15–30 minutes, I can use _____.

 Help! Which PCR plastics should I use? _____
_____ to the rescue!

 To amplify without purification, I can use _____.

 To avoid measuring powder agarose, I can use _____.

 TriTrack buffers are provided with _____
to easily track DNA migration during electrophoresis.

For more puzzles, go to thermofisher.com/marketplacefun

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Get more information at thermofisher.com/marketplace



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* This promotion is open to customers in the US (excluding Puerto Rico) and Canada. Discount will apply to qualifying orders received by Life Technologies between February 1, 2019 and June 30, 2019, or until promotional supplies are depleted, whichever comes first. Promotion code must be presented at the time of order. Discount applies to the local list price in effect at the time the order is received by Life Technologies. Promotion cannot be combined with other discounts or promotions. Offer void where prohibited, licensed, or restricted by federal, state, or local laws or regulation or agency/institutional policy. Other restrictions may apply.

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