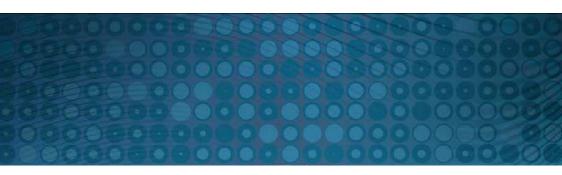
PCR Starter Kit For MiniAmp™ and MiniAmp™ Plus PCR systems

Part. No. 100070431

Revison C.0







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Product description

The PCR Starter Kit contains sample consumables necessary to start using your new Applied Biosystems™ Thermal Cycler. These consumables are designed to promote efficient heat transfer to obtain fast, high-performance polymerase chain reaction (PCR).

The table below lists the samples included in the kit. It does not list the actual quantities of the starter kit components. To re-order any of these items refer to the catalog number.

Note: For safety and biohazard guidelines, refer to the "Safety" appendix in the user guide for your thermal cycler. Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves.

Kit contents

Component	Cat. No.	Quantity [1]	Image
MicroAmp™ Optical 8-Tube Strip with attached optical caps, 0.2 mL	A30588	12 pc	
MicroAmp™ Splash-Free 96-well Base	4312063	1 ea	01 01 01 01 01 01 01 01 01 01 01 05 01 01 01 01 01 01 01 01 01 01 01 01
MicroAmp™96-well Tray/Retainer Set	4381850	1 ea	
MicroAmp™ 96-Well Tray for VeriFlex™ Blocks	4379983	1 ea	

^[1] This number refers to the quantity included in the starter kit, and may differ from the quantity received when re-ordering components using the catalog numbers provided in the table.

How to use the MicroAmp™ Splash-free 96-well Base

The MicroAmp $^{\text{\tiny TM}}$ Splash-free 96-well Base is compatible for use with MicroAmp $^{\text{\tiny TM}}$ reaction plates, tube strips, or reaction tubes, and provides a stable platform from which you can set up your experiment.

	Step	Action		
1	Set up base and add reaction mix	 a. Set up the 96-well base. If using reaction plates, place the PCR plate on the base. If using tubes, place the tray on the base and load the tray with tubes. [1] b. Pipette the reaction mix into the tubes/wells. c. Seal the plate/tubes. If using reaction plates, seal the PCR plate with adhesive film. If using tubes, cap the tubes with the Cap Installing Tool. 		
2	Place plate or tubes into instrument	 a. Remove the plate or tray with tubes from the 96-well base. b. Place the plate or tray with tubes into the sample block. ① MicroAmp™ Reaction Tube ② MicroAmp™ 96-Well Tray for Veriflex™ Blocks ③ MicroAmp™ Splash Free 96-Well Base 		

[1] For details on using MicroAmp $^{\mathbb{M}}$ tubes/strips, see "How to use the MicroAmp $^{\mathbb{M}}$ 96-well Tray and Retainer" (page 6) or "How to use the MicroAmp $^{\mathbb{M}}$ 96-well Tray for Veriflex $^{\mathbb{M}}$ Blocks" (page 8).

How to use the MicroAmp™96-well Tray and Retainer

The MicroAmp™ 96-well Tray and MicroAmp™ 96-well Retainer (Cat. No. 4381850) are used to distribute pressure evenly across the sample block.

- The tray and retainer set is compatible for use with MicroAmp[™] single tubes or tube strips with separate cap strips.
- The tray by itself is compatible for use with MicroAmp[™] tube strips with attached caps.

When small numbers of tubes (1–2 tube strips) are placed in the sample block without support, they can be crushed or deformed when the lid of the thermal cycler is closed over the block. Using the tray and retainer set allows the pressure to be distributed evenly over the tubes to ensure a proper seal, and prevent damage.

Using the tray and retainer set is optional when using ≥ 3 tube strips that are distributed evenly across the block.

Prepare samples using MicroAmp™ tubes/tube strips with separate cap strips

	Step	Action			
1	Separate tray and retainer	 a. Squeeze the release catches on the sides of the assembly to release the blue retainer. b. Separate the blue tray and retainer. 1 Release catch 2 MicroAmp™ 96-Well Retainer 3 MicroAmp™ 96-Well Tray 			
2	Load the tray	 a. Place the blue tray on a 96-well base. b. Load the tubes/tube strips into the tray. 			
3	Fill and cap tubes	 a. Pipette the reaction mix into the tubes. b. Place the blue retainer over the tubes and snap the retainer into the tray. c. Cap the tubes with a cap strip, and seal with the Cap Installing Tool. 1 MicroAmp™ 8-Cap Strip 2 MicroAmp™ 96-Well Retainer 			
4	Place tray/ retainer and tubes into instrument	 a. Remove the blue tray/retainer assembly containing the sealed tubes from the 96-well base. b. Place the assembly with sealed tubes into the sample block. 3 MicroAmp™ 8-Tube Strip [0.2-mL] or MicroAmp™ Reaction Tube without Cap [0.2-mL] 4 MicroAmp™ 96-Well Tray 5 MicroAmp™ Splash Free 96-Well Base 			

Prepare samples using MicroAmp™ tube strips with attached caps

Step Action			1
1	Separate tray and retainer	 a. Squeeze the release catches on the sides of the assembly to release the blue retainer. b. Separate the blue tray and retainer. 	1 Release catch 2 MicroAmp™ 96-Well Retainer 3 MicroAmp™ 96-Well Tray
2	Load the tray	a. Place the blue tray on a 96-well base.b. Load the tube strips into the tray.	
3	Fill and cap tubes	a. Pipette the reaction mix into the tubes.b. Cap the tube strips and seal with the Cap Installing Tool.	3
4	Place retainer and tubes into instrument	 a. Remove the blue tray and sealed tube strips from the 96-well base. b. Place the tray and sealed tube strips into the sample block. 	1 MicroAmp™ 8-Tube Strip with Attached Caps (0.2-mL) 2 MicroAmp™ 96-Well Tray 3 MicroAmp™ Splash Free 96-Well Base

How to use the MicroAmp[™] 96-well Tray for Veriflex[™] Blocks

The MicroAmpTM 96-well Tray for VeriflexTM Blocks (Cat. No. 4379983) is used to distribute pressure evenly across the sample block. The tray is compatible for use with **single** MicroAmpTM reaction tubes with attached caps.

When small numbers of tubes (\leq 8–16 tubes) are placed in the sample block without support, they can be crushed or deformed when the lid of the thermal cycler is closed over the block. Using the tray and retainer set allows the pressure to be distributed evenly over the tubes to ensure a proper seal, and prevent damage.

Using the tray and retainer set is optional when using ≥16 tubes that are distributed evenly across the block.

Prepare samples using MicroAmp™ reaction tubes

	Step	Action		
1	Load the tray	a. Place the black tray on a 96-well base.b. Load the tubes into the tray.	0 2	
2	Fill and cap tubes	a. Pipette the reaction mix into the tubes.b. Cap the tubes.	3	
3	Place tray and tubes into instrument	 a. Remove the black tray containing the sealed tubes from the 96-well base. b. Load the black tray containing the sealed tubes into the sample block. 	MicroAmp™ Reaction Tube MicroAmp™ 96-Well Tray for Veriflex™ Blocks MicroAmp™ Splash Free 96-Well Base	

Limited product warranty

Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies' General Terms and Conditions of Sale found on Life Technologies' website at www. thermofisher.com/us/en/home/global/terms-and-conditions.html. If you have any questions, please contact Life Technologies at www.thermofisher.com/support.

MicroAmp™ plastic consumables for Applied Biosystems™ PCR systems

These consumables are compatible with MicroAmp $^{\text{\tiny TM}}$ and MicroAmpPlus $^{\text{\tiny TM}}$ PCR systems with 96-well 0.2 mL blocks. Go to thermofisher.com/plastics for additional details.

Product	Catalog No.		
96-well 0.2 mL reaction plates			
Optical 96-Well Plate	N8010560, 4316813		
Optical 96-Well Plate with Barcode	4306737, 4326659		
96-Well Plate with Barcode & Optical Caps	403012		
Optical 96-Well Plate with Barcode & Optical Adhesive Films	4314320		
EnduraPlate Optical 96-Well Clear Plate with Barcode [1]	4483354, 4483352		
TriFlex 3 x 32-Well Reaction Plate	A32810, A32811		
Strip tubes and caps			
Optical 8-Tube Strip with Attached Optical Caps, 0.2 mL	A30588		
8-Tube Strip with Attached Domed Caps, 0.2 mL	A30589		
8-Tube Strip, 0.2 mL [1]	N8010580		
Optical 8-Tube Strip, 0.2 mL	4316567		
8-Cap Strip [1]	N8010535, N8011535		
Optical 8-Cap Strip	4323032		
12-Cap Strip [1]	N8010534, N8011534		
Single tubes			
Reaction Tube with Cap, 0.2 mL [1]	N8010540, N8010612, N8011540		
Reaction Tube without Cap, 0.2 mL [1] N8010533, N8011533			
Optical Tube without Cap, 0.2 mL	N8010933		
Seals and covers			
Clear Adhesive Film	4306311		
Optical Adhesive Film 4360954, 4311971			
32-Well Clear Adhesive Film A32812			
Seals and covers			
Splash-Free 96-Well Base	4312063		
96-Well Support Base	4379590		
96-Well Base	N8010531		
96-Well Reaction Tube/Tray/Retainer Set, 0.2 mL	403083, 403086		

^[1] Multiple colors are available.

$\textbf{MicroAmp}^{\text{\tiny{M}}} \ \textbf{plastic compatibility chart}$

Product	Catalog No.			
96-well 0.2 mL reaction plates				
Optical 96-Well Plate	N8010560, 4316813			
Optical 96-Well Plate with Barcode	4306737, 4326659			
96-Well Plate with Barcode & Optical Caps	403012			
Optical 96-Well Plate with Barcode & Optical Adhesive Films	4314320			
EnduraPlate Optical 96-Well Clear Plate with Barcode [1]	4483354, 4483352			
TriFlex 3 x 32-Well Reaction Plate [2]	A32810, A32811			
96-well 0.1 mL reaction plates				
Fast Optical 96-Well Plate, 0.1 mL	4346907			
Fast Optical 96-Well Plate with Barcode, 0.1 mL	4346906, 4366932			
EnduraPlate Optical 96-Well Fast Clear Plate with Barcode [1]	4483485, 4483494			
384-well reaction plates	<u> </u>			
Optical 384-Well Plate	4343370			
Optical 384-Well Plate with Barcode	4309849, 4326270, 4343814			
EnduraPlate Optical 384-Well Clear Plate with Barcode [1]	4483285, 4483273			
Strip tubes and caps	<u>'</u>			
Fast 8-Tube Strip, 0.1 mL	4358293			
Optical 8-Tube Strip with Attached Optical Caps, 0.2 mL	A30588			
8-Tube Strip with Attached Domed Caps, 0.2 mL	A30589			
8-Tube Strip, 0.2 mL ^[1]	N8010580			
Optical 8-Tube Strip, 0.2 mL	4316567			
8-Cap Strip [1]	N8010535, N8011535			
Optical 8-Cap Strip	4323032			
12-Cap Strip [1]	N8010534, N8011534			
Single tubes				
Fast Reaction Tube with Cap, 0.1 mL	4358297, 4358293			
Reaction Tube with Cap, 0.2 mL [1]	N8010540, N8010612, N8011540			
Reaction Tube without Cap, 0.2 mL [1]	N8010533, N8011533			
Optical Tube without Cap, 0.2 mL	N8010933			
Seals and covers				
Clear Adhesive Film	4306311			
Optical Adhesive Film	4360954, 4311971			
32-Well Clear Adhesive Film [2]	esive Film ⁽²⁾ A32812			
Seals and covers				
Splash-Free 96-Well Base	4312063			
96-Well Support Base	rt Base 4379590			
96-Well Base	N8010531			
96-Well Reaction Tube/Tray/Retainer Set, 0.2 mL	403083, 403086			

^[1] Multiple colors are available.

^[2] Do not use MicroAmp™ 3 × 32-Well Retainer.

3 x 32-well	96-well, 0.2 mL	96-well, 0.1 mL (Fast)	384-well		
ProFlex™	MiniAmp™, MiniAmp™ Plus, Veriti™, ProFlex™, SimpliAmp™	Veriti™	ProFlex™, Veriti™		
	96-well 0.2 mL reaction plates				
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• [2]	•	_	_		
	96-well 0.1 mL	reaction plates			
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	384-well rea	action plates			
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	Strip tube	s and caps			
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	Single	tubes			
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	Seals and covers				
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• [2]	•	_	_		
Seals and covers					
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