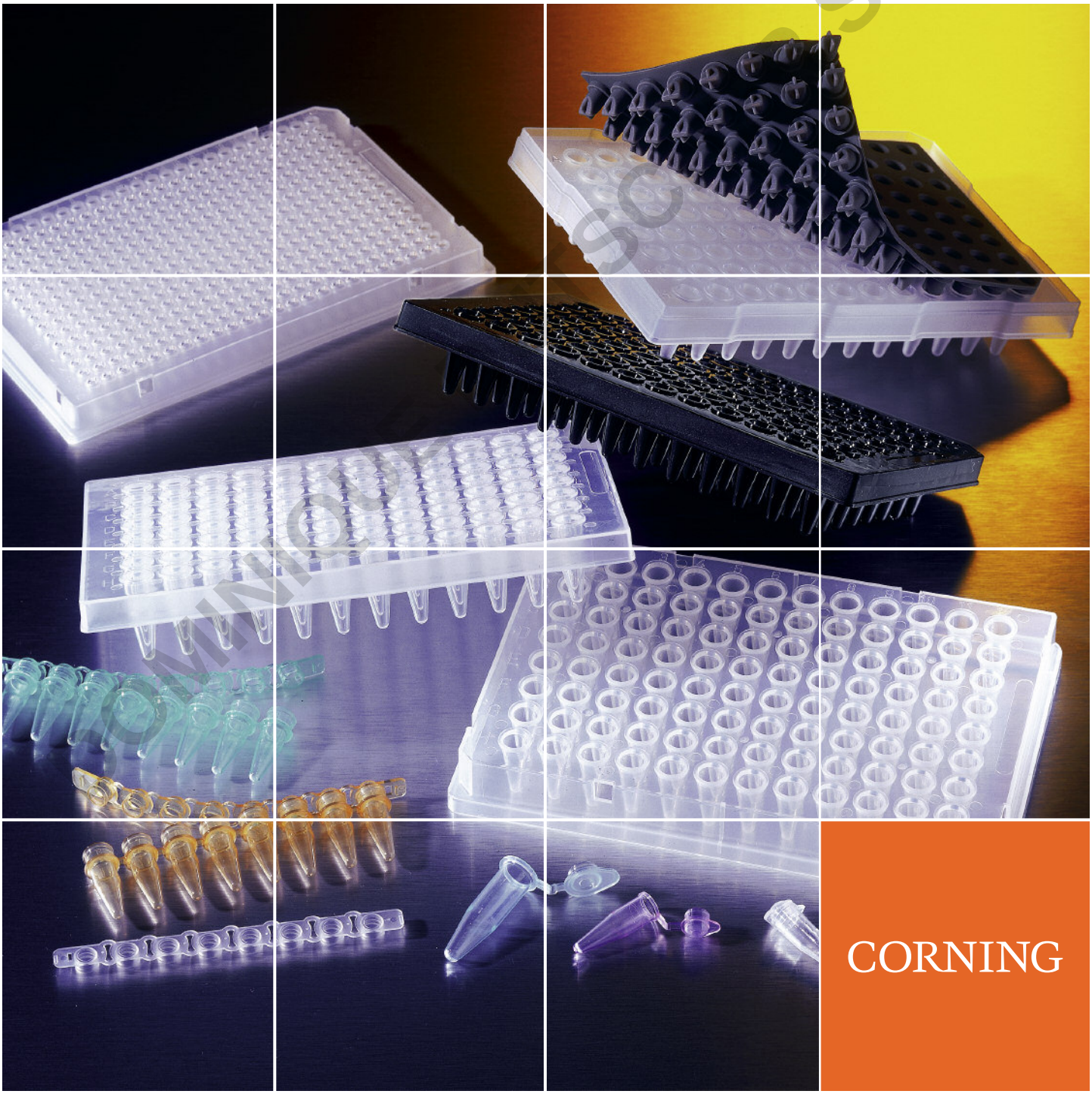
Thermowell® GOLD PCR Reaction Vessels

The New Gold Standard for PCR



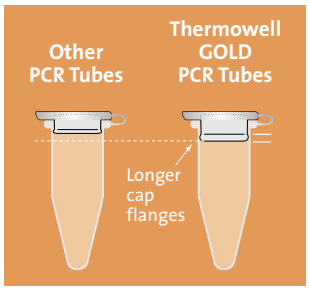
CORNING

Thermowell® GOLD PCR Reaction Vessels from Corning

Thermowell GOLD PCR reaction vessels exemplify Corning's commitment to innovation – to develop superior quality, reliable, and versatile products to complement today's dynamic changes in technology. Ultra-pure medical grade polypropylene is used in the finest quality molding process to ensure the highest quality tubes, strips, caps, and microplates for PCR. Extensive product testing and unsurpassed quality control standards guarantee performance consistency and functional superiority. The wide variety of options offered by Thermowell GOLD provides researchers the choices necessary for complete compatibility with laboratory equipment. Look to Thermowell GOLD for PCR, sequencing, and real-time PCR.

Thermowell GOLD 0.2 mL and 0.5 mL Tubes

0.2 mL and 0.5 mL individual PCR tubes provide maximum versatility for virtually all popular thermal cyclers. The unique cap design with longer cap flanges ensures a secure fit to prevent evaporation and sample loss. Tubes are available with domed caps for efficient heat transfer or flat caps for easy piercing and marking.



Thermowell GOLD PCR Tubes: Uniquely Designed to Prevent Sample Loss

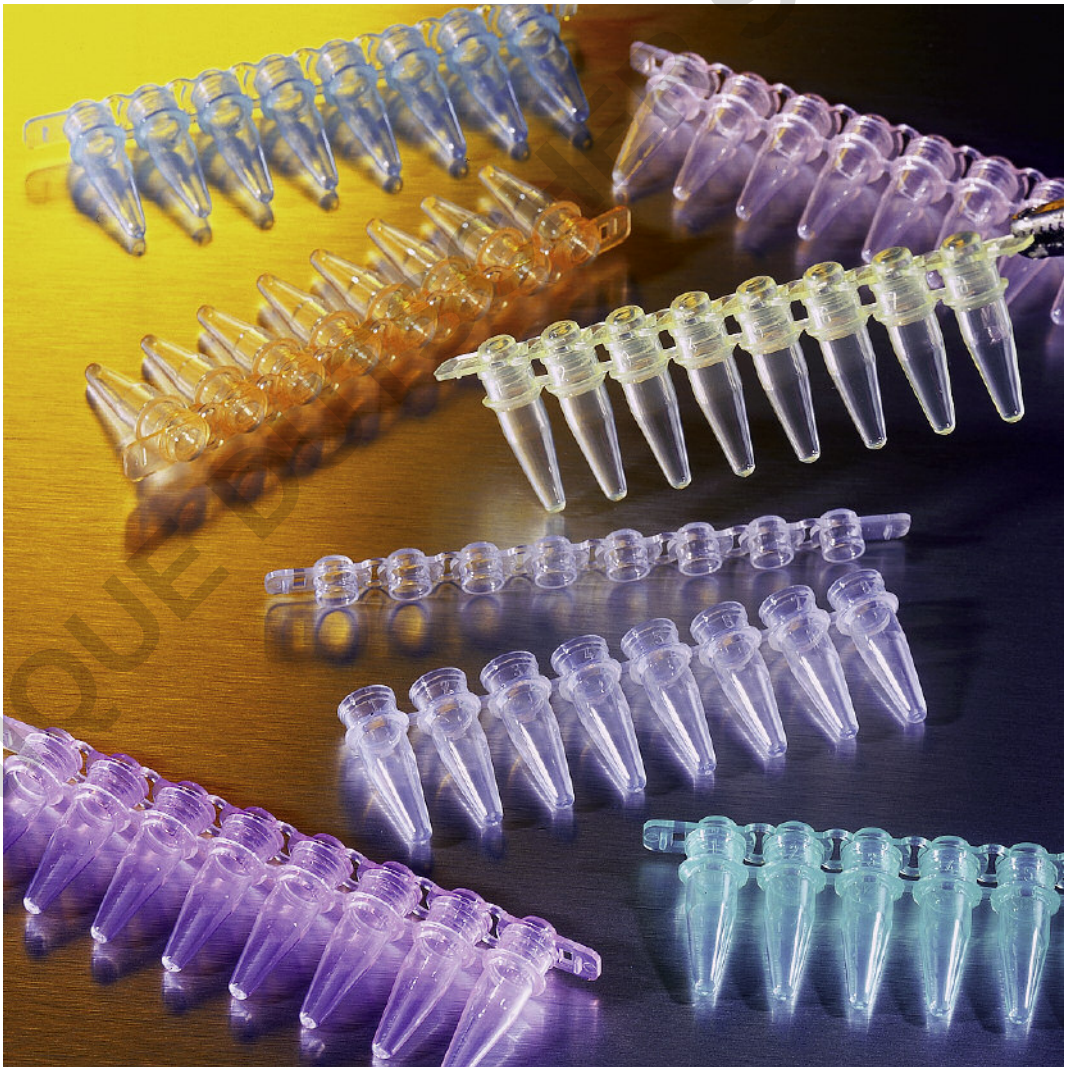
Thermowell GOLD PCR tubes are designed with longer cap flanges as an added safeguard against evaporation and to prevent accidental cap opening during thermal cycling. Unlike other PCR tubes with shorter caps, Thermowell GOLD PCR tubes are sealed with a full-length insertion cap to ensure a tight fit and reduce the possibility of sample evaporation. Ultra-thin walls of uniform thickness accelerate heat transfer leading to shorter cycle times and higher product yields.



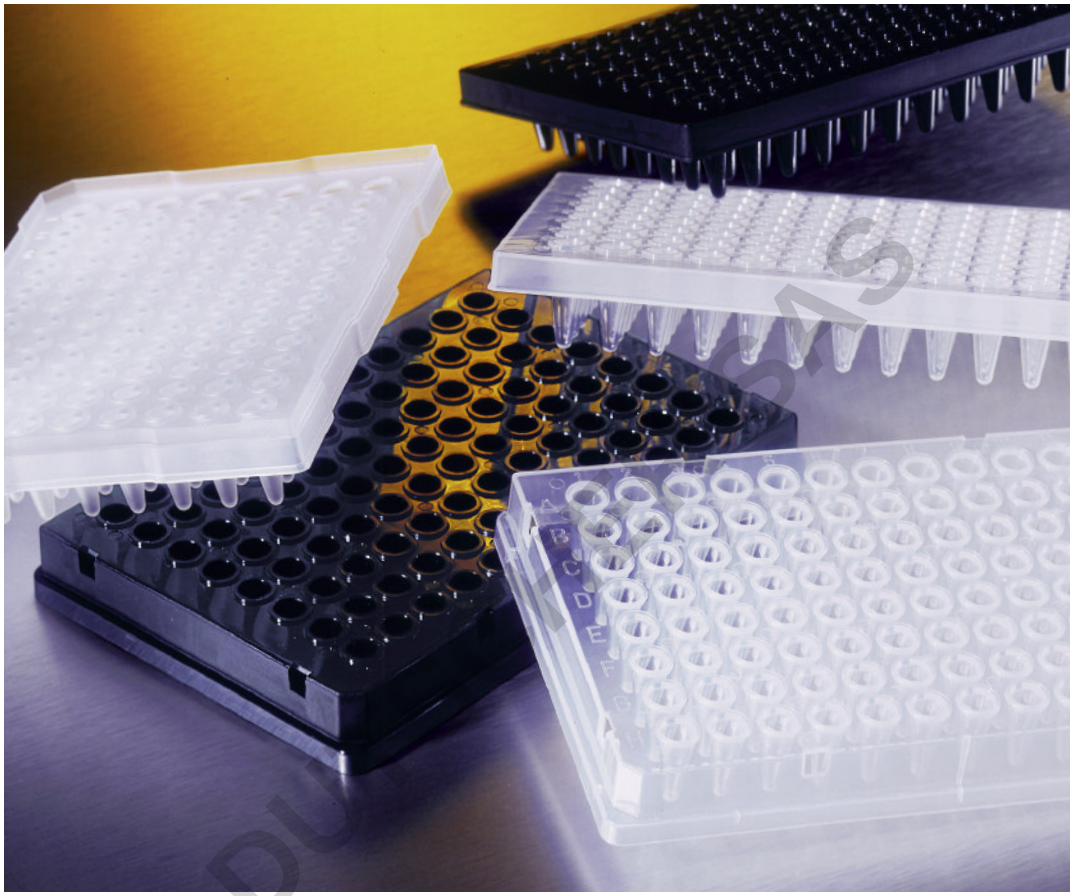
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Thermowell GOLD 8 Well Strips and Caps

0.2 mL 1 x 8 tube strips are manufactured from ultra-thin walled polypropylene, and are designed for a precise fit in heat blocks to ensure optimal thermal transfer.



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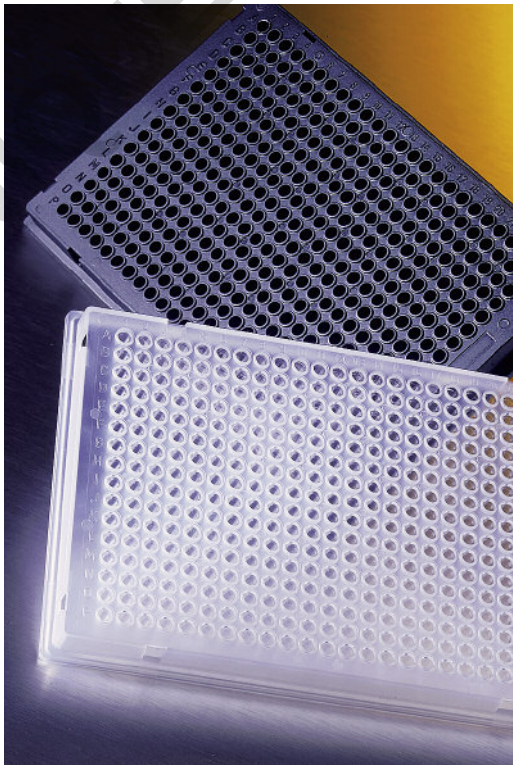
Choose Thermowell® GOLD for Unmatched Quality, Reliability, and Convenience

Superior Quality and Reliable Perfomance

- Manufactured from ultra-pure, medical grade polypropylene
- Certified RNase- and DNase-free, and endotoxin-safe on a lot by lot basis for highest sample integrity and assurance of consistent results
- Molding process is free from lubricants, dyes, and heavy metals or fillers

Ultimate Convenience

- Combined with the Genomics and extended Life Sciences product families, Corning is the one resource to support every phase of your research
- Global distribution network makes products simple to order, fast and easy to obtain



Thermowell GOLD 96 Well Microplates

Thermowell GOLD 96 well PCR microplates are offered in five formats to ensure maximum flexibility and a perfect match for your applications.

Thermowell GOLD 384 Well Microplates

Thermowell GOLD 384 well PCR microplates feature exceptional dimensional stability following thermocycling, and are fully compatible with automation, commonly used thermal cyclers, and Applied Biosystems® sequencing adapters (see compatibility table).

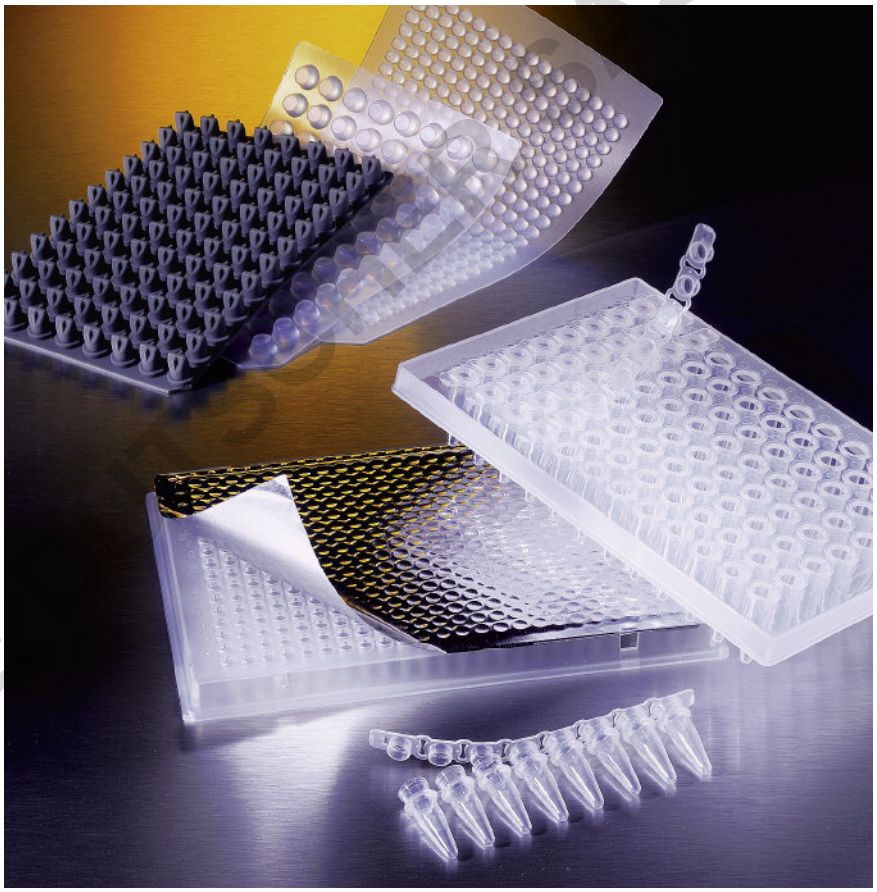
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Sealing Options for PCR and RT-PCR

- New Thermowell® GOLD 8 well flat cap strips feature an ultra-clear surface ideal for real-time PCR and fluorescent and luminescent applications. These cap strips are designed to fit on all Thermowell GOLD 8 well tube strips and 96 well PCR microplates.
- New Thermowell GOLD 96 well silicone rubber septa mats offer a unique pierce-able surface for easy access to reaction contents, and are fully compatible with Applied BioSystems® instrumentation.
- Corning aluminum and clear polyethylene sealing tapes provide optimal sealing to prevent evaporation and allow for oil-free operation when used with thermal cyclers with heated lids.
- Corning silicone rubber sealing mats are fully autoclavable and reusable, providing a more cost effective alternative to other sealing methods.

Real Time With Thermowell GOLD Products

Thermowell GOLD PCR products are manufactured to the exacting specifications required for real-time PCR. The ultra-thin, uniform wall thickness of the microplates and tube strips allows for optimal rapid thermal transfer. A choice of two sealing options – optically clear flat cap strips and pressure sensitive optically clear sealing tapes – provide the perfect clarity needed for today's advanced optically sensitive real time detection systems.

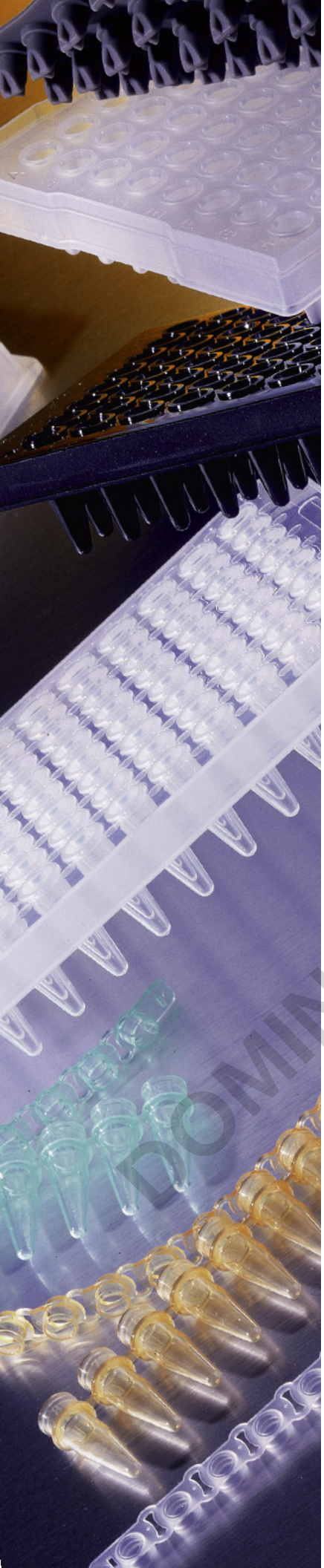


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Thermowell GOLD for RT-PCR Ordering Information

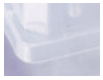
Cat. No.	Description	Qty/Pk	Qty/Cs
3757	384 Well Polypropylene PCR Microplate, Clear	10	50
3752	96 Well Polypropylene PCR Microplate, Full Skirt, Clear	10	50
3753	96 Well Polypropylene PCR Microplate, Half Skirt, Clear	10	50
3754	96 Well Polypropylene PCR Microplate, Elevated Skirt, Clear	10	50
3741	0.2 mL 1 x 8 Tube Strips, Clear	125	1250
3742	1 x 8 Optically Clear Flat Cap Strips for RT-PCR*	125	1250
6575	Universal Optical Sealing Tape	100	100

*Optically Clear Flat Cap Strips are designed for real-time PCR. Suitable for use with Thermowell GOLD 0.2 mL 1 x 8 PCR tube strips and 96 well microplates.



Corning® Thermowell® GOLD PCR Microplates

Compatibility Guide for Thermocyclers, Sequencers, and Real Time PCR

		Thermowell GOLD Microplates		
		 96 Well Half Skirt	 96 Well Full Skirt	 384 Well
Thermal Cyclers				
Applied BioSystems®	GeneAmp® 9600	■		
	GeneAmp 9700	■		■
Biometra®	Uno®	■	■	
	Uno II®	■		■
	T1 Thermocycler®	■	■	■
	Tgradient®	■	■	
	Trobot®	■	■	■
Bio-Rad®	iCycler™	■		■
Eppendorf	MasterCycler®	■	■	
Ericomp	SingleBlock®	■		
	TwinBlock®	■		
	Deltacycler I®	■		
Flexi	Gene		■	■
	Genius		■	
ThermoHybaid	PCR Sprint®		■	
	PCR Express®	■	■	■
	MultiBlock System	■	■	■
	Touchdown®	■	■	■
	Omnigene®	■	■	
	Omn-E®	■	■	
MJ Research™	PTC 200 DNA Engine™	■	■	■
	PTC 225 DNA Tetrad®	■	■	■
	PTC 100®	■	■	
MWG™	Primus 96®	■	■	
	Primus 384®			■
Stratagene®	Robocycler®		■	■
TaKaRa	TP 240®		■	
	TP 3000®	■	■	
Techne®	Touchgene X®	■	■	■
RT-PCR Thermal Cyclers				
Applied BioSystems	ABI PRISM® 7000	■		■
	ABI PRISM 7700	■	■	■
	ABI PRISM 7900 HT	■		■
Bio-Rad	iCycler®		■	
Stratagene®	Mx 4000®		■	
Sequencers				
Applied BioSystems	ABI PRISM 3100	■		■
	ABI PRISM 3700	■		■
	ABI PRISM 3730	■		■
Amersham Biosciences	MegaBACE™ 500		■	
	MegaBACE 1000 Mark II		■	
	MegaBACE 4000			■
MJ Research™	BaseStation®		■	
	Transgenomic		■	

Thermowell GOLD PCR Microplates Volume Reference Table

Format	Total Volume	Working Volume
384 Well PCR Microplates	55 µL	50 µL
96 Well PCR Microplates, Full Skirt	240 µL	200 µL
96 Well PCR Microplates, Half Skirt	340 µL	300 µL
96 Well PCR Microplates, Elevated Skirt	340 µL	300 µL

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Corning® Thermowell® GOLD Ordering Information

Cat. No.	Description	Qty/Pk	Qty/Cs
384 Well Polypropylene PCR Microplates			
3757	Clear	10	50
3756	Black	10	50
96 Well Polypropylene PCR Microplates			
3752	Full Skirt, Clear	10	50
3751	Full Skirt, Black	10	50
3753	Half Skirt, Clear	10	50
3755	Half Skirt, Black	10	50
3754	Elevated Skirt, Clear	10	50
8 Well Polypropylene PCR Tube Strips and Caps			
3741	0.2 mL 1 x 8 Tube Strips, Clear	125	1250
3740	0.2 mL 1 x 8 Tube Strips, Assorted Colors	125	1250
3743	1 x 8 Cap Strips, Domed, Clear	125	1250
3748	1 x 8 Cap Strips, Domed, Assorted Colors	125	1250
3742	1 x 8 Optically Clear Flat Cap Strips, for RT-PCR*	125	1250
Individual Polypropylene PCR Tubes			
3745	0.2 mL Capacity, Flat Cap, Clear	500	1000
3744	0.2 mL Capacity, Flat Cap, Assorted Colors	500	1000
3747	0.2 mL Capacity, Domed Cap, Clear	500	1000
3746	0.2 mL Capacity, Domed Cap, Assorted Colors	500	1000
3750	0.5 mL Capacity, Flat Cap, Clear	500	1000
3749	0.5 mL Capacity, Flat Cap, Assorted Colors	500	1000
PCR Sealing Tapes and Sealing Mats			
3087	96 Well Silicone Rubber Septa Mat, ABI Compatible	10	50
6569	Aluminum Sealing Tape – 384 Well Microplates	100	100
6570	Aluminum Sealing Tape – 96 Well Microplates	100	100
3699	Silicone Rubber Sealing Mat – 384 Well Microplates	1	25
6555	Silicone Rubber Sealing Mat – 96 Well Microplates	1	25
6524	Polyethylene Sealing Tape – 96 Well Microplates	100	100
Sealing for Real-Time PCR			
3742	1 x 8 Optically Clear Flat Cap Strips for RT-PCR*	125	1250
6575	Universal Optical Sealing Tape	100	100

*Optically Clear Flat Cap Strips are designed for real-time PCR. Suitable for use with Thermowell GOLD 0.2 mL 1 x 8 PCR tube strips and 96 well microplates.

Customize Thermowell GOLD for Your Laboratory

Custom designed bar codes are available for Thermowell GOLD 96 and 384 well microplates. Contact Corning Life Sciences or your local representative for more information.

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For additional product or technical information, please visit **www.corning.com/lifesciences** or call 800.492.1110. Customers outside the United States please call +1.978.442.2200 or contact your local Corning sales office listed below.

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