Pierceable Foil Heat Seal

Catalog #	Description
1814040	Pierceable Foil Heat Seal, Pkg of 100, foil seals for PCR and QX200/QX100 Droplet Digital PCR System applications, for use with PX1 PCR Plate Sealer

For Research Use Only. Not for use in diagnostic procedures.

The Pierceable Foil Heat Seal is a peelable and pierceable seal ideal for PCR and sample storage. This seal has been independently validated for the QX200™ and QX600™ Droplet Digital™ PCR System workflows. Plates with pierced seals can be resealed* with another Pierceable Foil Heat Seal.

Features

- Forms a complete seal with polypropylene and polystyrene materials
- Has seal integrity from –20 to 110ºC
- Demonstrates high solvent resistance
- Is nonhazardous
- Can be stored at room temperature; avoid direct exposure to light
- Is certified RNase- and DNase-free

Directions for Use

Note: Optimize sealing parameters in an empty plate prior to completing experimental workflows.

1. Place a microplate in the plate support block and position it correctly on the open PX1 PCR Plate Sealer drawer.
2. Carefully remove a seal from the bag and place it on the plate so that the colored line is facing up.

Note: It is not necessary to use the sealing frame with this seal.

3. Seal the plate. For suggested sealing parameters, refer to Sealing Guidelines for Pierceable Foil Heat Seal.

* Resealing a plate already sealed with a Pierceable Foil Heat Seal typically requires a longer sealing time.
Repeated sealing makes it more difficult to peel off the original seal.

Sealing Guidelines for Pierceable Foil Heat Seal*

Product	Catalog Number	Number of Wells	Well Color	Temperature, °C	Time, sec
ddPCR™ 96-Well Plates	12001925	96	Clear	180	5
Hard-Shell™ 384-Well Standard PCR Plates	HSP3xxx	384	Clear White	170 170	3 3
Hard-Shell 384-Well 480 PCR Plates	HSR4xxx	384	Clear White	170 170	3 3
Hard-Shell Low-Profile 96-Well Skirted PCR Plates	HSP9xxx	96	Clear White	175 175	3 3
Hard-Shell High-Profile 96-Well Semi-Skirted PCR Plates	HSS9xxx	96	Clear White	170 175	3 3
Multiplate Low-Profile 96-Well Unskirted PCR Plates	MLL9xxx	96	Clear White	175 175	3 3
Multiplate High-Profile 96-Well Unskirted PCR Plates	MLP9xxx	96	Clear White	175 175	3 3
iQ 96-Well PCR Plates	2239441	96	Clear	185	3

Additional Heat Sealing Films

Product	Catalog Number	Key Features	Compatibility
Optically Clear Heat Seal	1814030	• Validated for real-time PCR • Peelable	PP, PE,* PS
Permanent Clear Heat Seal	1814035	• Strongest Bio-Rad heat sealing option • Ideal for water bath cycling • Validated for real-time PCR	PP
Pierceable Foil Heat Seal	1814040	• Validated for use with the QX200™, QX200 AutoDG™, QX600™, and QX600 AutoDG Droplet Digital™ PCR Systems • Validated for PCR	PP, PS*
Peelable Foil Heat Seal	1814045	• Ideal for sample storage • Validated for PCR	PP, COC*

* Limited and variable compatibility based on plastic composition. COC, cyclic olefin copolymer; PE, polyethylene; PP, polypropylene; PS, polystyrene.

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