






Rotor-Disc® Heat Sealer



For sealing Rotor-Discs for use with the Rotor-Gene® Q

The Rotor-Disc Heat Sealer is used to seal Rotor-Discs for the Rotor-Gene Q. Rotor-Discs do not use caps. Instead, Rotor-Disc Heat Sealing Film is applied and sealed using the Rotor-Disc Heat Sealer. The film prevents contamination by providing a strong, durable, and tamper-proof seal. A Rotor-Disc 72 Loading Block or a Rotor-Disc 100 Loading Block is required.

Safety information

<p>WARNING</p> 	<p>Risk of personal injury and material damage</p> <p>The Rotor-Disc Heat Sealer operates at high temperatures (165–182°C, 329–360°F). To avoid burn injury, never place a hand or finger into the loading space at the front of the Rotor-Disc Heat Sealer.</p>
<p>WARNING</p> 	<p>Risk of personal injury and material damage</p> <p>Remove the loading block from the Rotor-Disc Heat Sealer when the beep sounds at the end of sealing. The loading block should not be left inside the Rotor-Disc Heat Sealer once sealing of the Rotor-Disc is complete. Leaving the loading block in the Rotor-Disc Heat Sealer can make it extremely hot. If this occurs, turn the Rotor-Disc Heat Sealer off and allow to cool for at least 30 minutes before attempting to handle the loading block.</p>
<p>WARNING</p> 	<p>Risk of personal injury and material damage</p> <p>To ensure proper ventilation and access to controls, maintain a minimum clearance of 10 cm at the sides and rear of the Rotor-Disc Heat Sealer.</p>
<p>WARNING</p> 	<p>Risk of personal injury and material damage</p> <p>For disconnection of power, unplug the appliance coupler on the back panel of the Rotor-Disc Heat Sealer.</p>
<p>WARNING</p> 	<p>Risk of personal injury and material damage</p> <p>If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.</p>

Symbols on the Rotor-Disc Heat Sealer

Symbol	Description
 <p><small>HOT SURFACE INSIDE</small></p>	Hot surface inside symbol — to avoid burn injury, do not place a hand or finger into the loading space at the front of the Rotor-Disc Heat Sealer.
 <p><small>PINCH POINT CAN CAUSE SEVERE PERSONAL INJURY</small></p>	Pinch point; can cause severe personal injury symbol — take care when operating the Rotor-Disc Heat-Sealer to avoid trapping hands or fingers.

Procedure

1. Switch on the Rotor-Disc Heat Sealer using the switch located on the back at the right-hand side. A red "Power" light illuminates. The Rotor-Disc Heat Sealer takes approximately 10 minutes to reach operating temperature, when a green "Ready" light illuminates.

Note: Once the Rotor-Disc Heat Sealer is ready, it is safe to leave it running constantly.

2. Set the selector switch to "Permanent Seal" or "Removable Seal", as required.
3. Insert the Rotor-Disc into the Rotor-Disc Loading Block using the position one tab on the Rotor-Disc and the tube guide holes on the Rotor-Disc Loading Block to ensure the correct orientation.



4. Set up reactions in the Rotor-Disc by manual pipetting or with a QIAgility® workstation.
5. Carefully remove the central portion from one sheet of Rotor-Disc Heat Sealing Film by slightly folding the film in half, pinching the center piece, and carefully tearing it out.
6. Place the film over the Rotor-Disc in the correct orientation as shown by the "SIDE UP" label. Ensure that the "SIDE UP" label is positioned at the bottom of the Rotor-Disc Loading Block. The central hole in the film should slide easily over the cylinder of the Rotor-Disc Loading Block and onto the top of the Rotor-Disc.



7. Slide the assembly into the Rotor-Disc Heat Sealer using the guide rails on the side of the Rotor-Disc Loading Block. Ensure that the Rotor-Disc Loading Block is pushed in completely.



8. To activate the sealing mechanism, first press down on the blue anodized bar at the top of the Rotor-Disc Heat Sealer, and then push back the black catch.

When the sealing mechanism has lowered, an orange "Sealing" light illuminates. If the Rotor-Disc Loading Block is not in the correct position, a warning beep sounds.



9. When sealing is finished, a long beep sounds and the orange "Ready" light starts blinking. Press down on the blue anodized bar to raise and lock the sealing mechanism back in its original position. Do not continue sealing for any longer than indicated by the beep or the Rotor-Disc may deform.

If the Rotor-Disc Loading Block is not removed, the orange "Sealing" light will illuminate permanently and the beep sound starts to alert as a reminder.

10. Slide the Rotor-Disc Loading Block out of the Rotor-Disc Heat Sealer. Allow the film to cool for approximately 10 seconds. Remove the excess sealing film by pushing it down to detach. Do not pull the excessive film upwards.
11. Remove the Rotor-Disc from the Rotor-Disc Loading Block.
12. Load the Rotor-Disc into the rotor using the position one locator tab as a guide to the correct orientation.

Ordering Information

Related Products	Contents	Cat. no.
Rotor-Disc Heat Sealer	Heat sealing instrument for use with Rotor-Discs	Inquire
Rotor-Disc 72 Starter Kit	3 Rotor-Disc 72 packs, Rotor-Disc Heat Sealer, Rotor-Disc Heat Sealing Film, Rotor-Disc 72 Rotor and Locking Ring, Rotor-Disc 72 Loading Block, Rotor-Disc Pipetting Aid	Inquire
Rotor-Disc 100 Starter Kit	2 Rotor-Disc 100 packs, Rotor-Disc Heat Sealer, Rotor-Disc Heat Sealing Film, Rotor-Disc 100 Rotor and Locking Ring, Rotor-Disc 100 Loading Block, Rotor-Disc Pipetting Aid	Inquire
Rotor-Disc Heat Sealing Film (60)	60 films for sealing Rotor-Discs	981601
Rotor-Disc Heat Sealing Film (600)	10 x 60 films for sealing Rotor-Discs	981604
Rotor-Disc 72 (24)	24 individually wrapped discs for 1728 reactions	981301
Rotor-Disc 72 (240)	10 x 24 individually wrapped discs for 17,280 reactions	981303
Rotor-Disc 100 (30)	30 individually wrapped discs for 3000 reactions	981311
Rotor-Disc 100 (300)	10 x 30 individually wrapped discs for 30,000 reactions	981313

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For applicable countries:

The purchase of this product includes a limited, non-transferable license to one or more of US Patents Nos 6,787,338; 7,238,321; 7,081,226; 6,174,670; 6,245,514; 6,569,627; 6,303,305; 6,503,720; 5,871,908; 6,691,041; 7,387,887; and U.S. Patent Applications Nos. 2003-0224434 and 2006-0019253 and all continuations and divisionals, and corresponding claims in patents and patent applications outside the United States, owned by the University of Utah Research Foundation, Idaho Technology, Inc., and/or Roche Diagnostics GmbH, for internal research use or for non-in vitro diagnostics applications. No right is conveyed, expressly, by implication or estoppel, for any reagent or kit, or under any other patent or patent claims owned by the University of Utah Research Foundation, Idaho Technology, Inc., and/or Roche Diagnostics GmbH, or by any other Party. For information on purchasing licences for in-vitro diagnostics applications or reagents, contact Roche Molecular Systems, 4300 Hacienda Drive, Pleasanton, CA 94588, USA.

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