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Technical Data Sheet

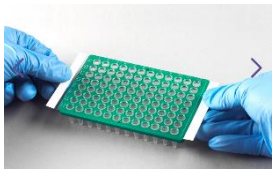
Description :

- Combi Packs 96 Well Semi-Skirted PCR Plate, Roche Style (448010) + qPCR Adhesive Seal

Part number :

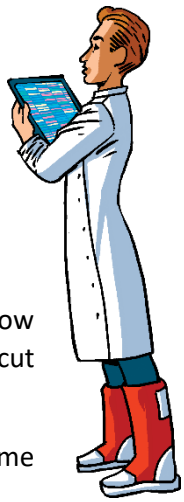
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Pieces by sales :

- 50 plates + 50 seals



Technical data :

- **<u>96 Well Semi-Skirted PCR Plate, Roche Style</u>**

  96 well semi-skirted plates designed for use on Roche LightCycler® 480 (with 96 well block). Low profile wells, especially recommended for reaction volumes <20µl. Virgin polypropylene; cut corner H12. <100µl working volume, 200µl total well capacity.

  - Ultra-smooth, uniform, thin-walled polypropylene tubes for optimum PCR and real-time (RT-qPCR) results
  - Low profile wells, shorter than “standard” profile wells, to decrease the “dead space” between the heated lid of the thermal cycler and the sample in the well
  - Eliminates condensation forming on the side wall of the tubes, preventing reduction in PCR volume and increasing the efficiency of the reaction
  - Maximum thermal conductivity for efficient heat transfer and precise thermal cycling
  - Subject to a strict QC procedure which includes a visual check and leak testing of every tube
  - Molded from virgin polypropylene under ISO certified cleanroom conditions in our UK-based production facility
  - Plate length : 127.70 ± 0.25mm
  - Plate width : 85.48 ± 0.25mm
  - Plate height : 15.60 ± 0.10mm
  - Well depth : 15.10 ± 0.10mm
  - Well diameter : 5.50 ± 0.10mm
  - Total well capacity : 0.2ml (200µl)
  - Working volume : <0.1ml (100µl)

- **<u>qPCR Adhesive Seal</u>**

  Adhesive sealing film. Optically clear seal specifically developed for optical applications, particularly qPCR, and other imaging techniques including crystallization. The caps can be individually applied and removed once detached from the backing liner, making the mats ideally suited for use with their PCR consumables, including Individual Access plates and divisible plates.

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The mats offer an alternative to adhesive and heat sealing, in particular as a temporary solution when samples need to be repeatedly accessed

- They are easily pierceable with pipette tips to access samples, and they are easily removable using 1- and 8-way decappers or, alternatively, using Automated Plate Seal Remover if a seal is overlaid on top of the caps.
- It is non sticky when removed from the packaging; this aids handling when wearing gloves. The adhesive is contained within small capsules, allowing light to pass through to ensure the optical clarity of the seal. When the seal is in position, pressure can be applied to burst the capsules, releasing a strong adhesive only where the seal touches the raised well rims of the plate – the rest of the seal area above the wells remains optically clear.
- Optically clear
- Pressure activated adhesive
- Available in sheet and roll format
- Non-pierceable
- Peelable
- Seal integrity range: -80°C to 110°C
- Non-sterile
- Applications: qPCR and other fluorescent applications, plate readers, microscopy and protein crystallization (96 or 384 well)
- Removal: will not leave a sticky residue on the plate surface following removal
- Color : Blue TPE, pierceable with pipette tips
- Suitable for sealing all of Azenta Life science 96 well PCR plates