

For life science research only.
Not for use in diagnostic procedures.



LightCycler[®] 8-Tube Strip Adapter Plate

 **Version: 03**

Content Version: November 2023

The adapter plate is for use with the LightCycler[®] PRO or LightCycler[®] 480 Systems, and the LightCycler[®] 8-Tube Strips (white).

Cat. No. 06 612 598 001 1 piece
The adapter plate can be used multiple times

Store the plate at +15 to +25°C.

1.	General Information	3
1.1.	Contents	3
1.2.	Storage and Stability	3
	Storage Conditions (Product)	3
1.3.	Additional Equipment and Reagent required	3
1.4.	Application	3
2.	How to Use this Product	4
2.1.	Before you Begin	4
	General Considerations	4
	Precautions	4
2.2.	Protocols	4
	Typical experiment	4
	Handling instructions	5
	Using the Adapter Plate with 8-Tube Strips	6
	Cleaning instructions	6
3.	Supplementary Information	7
3.1.	Conventions	7
3.2.	Changes to previous version	7
3.3.	Ordering Information	7
3.4.	Trademarks	8
3.5.	License Disclaimer	8
3.6.	Regulatory Disclaimer	8
3.7.	Safety Data Sheet	8
3.8.	Contact and Support	8

1. General Information

1.1. Contents

Label	Content
LightCycler® 8-Tube Strip Adapter Plate	1 plate

1.2. Storage and Stability

Storage Conditions (Product)

Label	Storage
LightCycler® 8-Tube Strip Adapter Plate	Store at +15 to +25°C.

i The Adapter Plate can be used for the entire temperature range of the LightCycler® Instruments.

1.3. Additional Equipment and Reagent required

Standard laboratory equipment

- LightCycler® PRO Instrument*
 - LightCycler® 480 Instrument II*
 - LightCycler® 8-Tube Strips (white)*
 - LightCycler® 480 Multiwell Plate 96, white* (optional)
- or
- LightCycler® 480 Multiwell Plate 96, white, 4 bar codes* (optional)
 - Centrifuge with swinging-bucket rotor

1.4. Application

The LightCycler® 8-Tube Strip Adapter Plate can hold a minimum of two and up to 12 LightCycler® 8-Tube Strips in one run. The LightCycler® 8-Tube Strip Adapter Plate can only be used with the LightCycler® PRO and LightCycler® 480 Instrument II, 96-well version. The plate is not suitable for the use with LightCycler® 96 Instruments.

2. How to Use this Product

2.1. Before you Begin

General Considerations

Precautions

The LightCycler® 8-Tube Strip Adapter Plate may be hot after an experiment run. In order to avoid burning the skin when removing the adapter plate after the run, a final cooling step in the PCR run protocol is mandatory. Please add a final cooling step at the end of the programs that you run with the adapter plate.

2.2. Protocols

Typical experiment

Example of a typical LightCycler® PRO Instrument protocol that uses, for example, FastStart Essential DNA Probes Master and LightCycler® 8-Tube Strips in a LightCycler® 8-Tube Strip Adapter Plate.

- **Pre-incubation** for activation of FastStart Taq DNA Polymerase and denaturation of DNA
- **Amplification** of the DNA
- **Cooling** of the thermal cycler

Temperature targets				
	Target [°C]	Acquisition mode	Duration [s]	Ramp rate [°C/s]
Cooling (automatically added)	40	None	30	2.2

For details on how to program the experimental protocol, see the LightCycler® PRO System User Assistance.

⚠ Using strips other than specified above may harm the instrument and could result in the instrument crashing, or reduce the lifetime of the thermal cycler.

⚠ Do not use the LightCycler® 8-Tube Strip Adapter Plate with the LightCycler® 96 Instrument.

Handling instructions

For secure handling, place the LightCycler® 8-Tube Strip Adapter Plate on top of a second LightCycler® 8-Tube Strip Adapter Plate, or on top of a standard multiwell plate 96 (MWP).

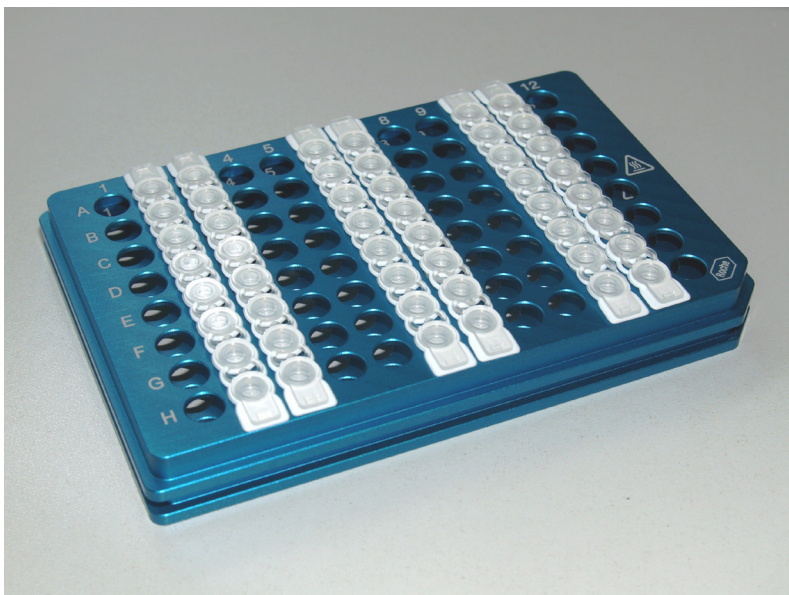


Fig. 1: LightCycler® 8-Tube Strip Adapter Plate on top of a second LightCycler® 8-Tube Strip Adapter Plate.

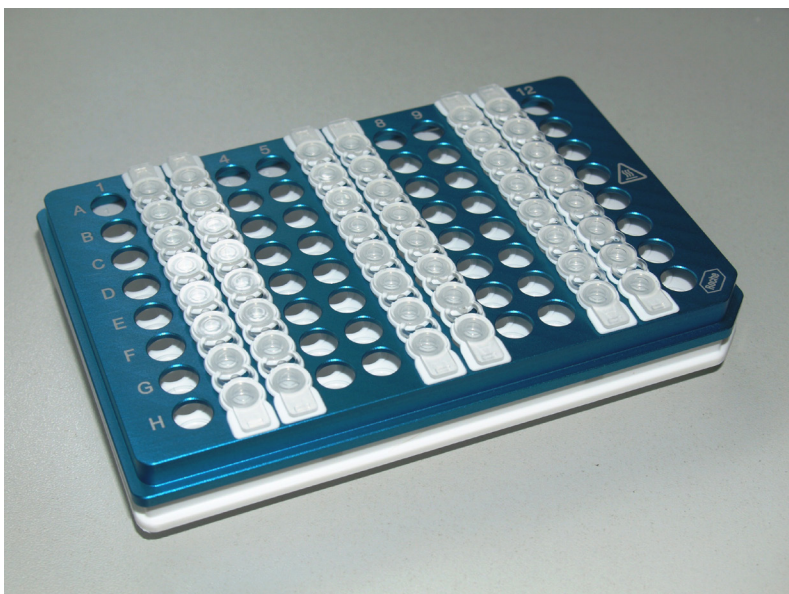


Fig. 2: LightCycler® 8-Tube Strip Adapter Plate on top of a standard multiwell plate 96 (MWP).

⚠ Insert tube strips as needed, making sure that the load pattern on the adapter plate is symmetrical. Do not use only one strip. Start with the outer columns, for example, two strips in the outer columns 1 and 12. If the mount is loaded asymmetrically, the heated lid is charged asymmetrically and the instrument could be damaged.

Additionally, the operator must ensure that the orientation of the strips on the adapter plate matches the sample assignment in the 'Sample Editor' tab. Otherwise the analysis results are incorrectly assigned to the samples.


3. Supplementary Information







3.1. Conventions

To make information consistent and easier to read, the following text conventions and symbols are used in this document to highlight important information:

Text convention and symbols

 **Information Note:** Additional information about the current topic or procedure.

 **Important Note:** Information critical to the success of the current procedure or use of the product.

   etc.	Stages in a process that usually occur in the order listed.
   etc.	Steps in a procedure that must be performed in the order listed.
* (Asterisk)	The Asterisk denotes a product available from Roche Diagnostics.

3.2. Changes to previous version

Editorial changes.

Information about the LightCycler[®] PRO System has been added.

List of additional reagents and equipment has been updated.

3.3. Ordering Information

Roche offers a large selection of reagents and systems for life science research. For a full overview of related products and manuals, please visit and bookmark our homepage lifescience.roche.com.

Product	Pack Size	Cat. No.
Accessories general (hardware)		
Thermal Cycler Assembly 96	1 piece	09 742 565 001
LightCycler [®] 480 Block Kit 96 Silver	1 block kit	05 015 219 001
Consumables		
LightCycler [®] 8-Tube Strips (white)	10 x 12 white strips and clear caps	06 612 601 001
LightCycler [®] 480 Multiwell Plate 96, white	5 x 10 plates	04 729 692 001
LightCycler [®] 480 Multiwell Plate 96	5 x 10 plates without sealing foils	05 220 319 001
Instruments		
LightCycler [®] PRO Instrument	1 instrument, 96-well version	09 541 713 001
	1 instrument, 384-well version	09 582 487 001
LightCycler [®] 480 Instrument II	1 instrument, 96-well version	05 015 278 001
	1 instrument, 384-well version	05 015 243 001

3. Supplementary Information

3.4. Trademarks

LIGHTCYCLER and FASTSTART are trademarks of Roche.
All other product names and trademarks are the property of their respective owners.

3.5. License Disclaimer

For additional documentation such as certificates and safety data sheets, please visit:
documentation.roche.com.

3.6. Regulatory Disclaimer

For life science research only. Not for use in diagnostic procedures.

3.7. Safety Data Sheet

Please follow the instructions in the Safety Data Sheet (SDS).

3.8. Contact and Support

If you have questions or experience problems with this or any Roche product for Life Science, please contact our Technical Support staff. Our scientists are committed to providing rapid and effective help.
Please also contact us if you have suggestions for enhancing Roche product performance or using our products in new or specialized ways. Such customer information has repeatedly proven invaluable to the research community worldwide.

To ask questions, solve problems, suggest enhancements or report new applications, please visit our **Online Technical Support** Site.

Visit documentation.roche.com, to download or request copies of the following Materials:

- Instructions for Use
- Safety Data Sheets
- Certificates of Analysis
- Information Material

To call, write, fax, or email us, visit lifescience.roche.com and select your home country to display country-specific contact information.

