

Product Sheet

# TissueLyser Adapter Sets

Accessories for the simultaneous disruption of samples in tubes and 96-well plates on the TissueLyser III & II

**REF** 69982, 69984, 11990, 11980, 11960, and 11993



QIAGEN, GmbH, QIAGEN Strasse 1, 40724 Hilden, GERMANY

## Contents

<b>TissueLyser Adapter Set</b> <b>Cat. no.</b>	<b>2 x 24</b> <b>69982</b>	<b>2 x 96</b> <b>69984</b>
Top Plate	2	2
Bottom Plate	2	2
TL Reaction Tube Holder, 24 Tubes	2	–
Sealing Strips	2	–
<b>Plate Adapter Set</b> <b>Cat. no.</b>	<b>11990</b>	
Plate adapter	4	

**5 mL Tube Adapter Set****Cat. no.** 11980

5 mL tube adapter 4

**50 mL Tube Adapter Set****Cat. no.** 11960

50 mL tube adapter 2

**2 mL Tube Holder Set****Cat. no.** 11993

2 mL tube holder 2

Tissuelyser Adapter Sets are designed for efficient and user-friendly disruption of 2 mL, 5 mL, 50 mL tubes, collection microtubes, and 96-well plates, using the Tissuelyser III and II.

The Tissuelyser Adapter Set 2 x 24 contains a pair of TL ReactionTube Holders, 24 Tubes. Each holder holds up to 24 microcentrifuge tubes (2 mL). The use of safe-lock tubes is strongly recommended (e.g., Eppendorf® Safe-Lock Tubes Microtube or Screw cap tubes).

The Tissuelyser Adapter Set 2 x 96 is for use with Collection Microtubes (racked) and Collection Microtube Caps (cat. nos. 19560 and 19566).

The Plate Adapter Set is for use with two 96-well plates; it is compatible with the PowerBead Pro Plates (cat. no. 19311).

The 5 mL Tube Adapter Set is for use with 5 mL bead tubes (e.g., PowerWater® DNA Bead Tubes). Each set holds up to 16 tubes.

The 2 mL Tube Holder Set is for use with 2 mL tubes. It can only be used with the Plate Adapter Set. Each holder can fit up to 48 tubes.

The 50 mL Tube Adapter Set is for use with 50 mL tubes (e.g., 50 mL Falcon® tubes). Each adapter can hold up to 4 tubes.

## Shipping and Storage

The TissueLyser Adapter Sets are shipped at room temperature (15–25°C). The adapter sets should be stored dry at room temperature (15–25°C).

Do not use if stored outside the specifications, if the packaging has been damaged, or if other signs of deterioration or malfunction are visible.

## Intended Use

The TissueLyser Adapter Sets are intended for molecular biology applications. These products are not intended for the diagnosis, prevention, or treatment of a disease.

The TissueLyser Adapter Sets are intended for laboratory use.

## Safety Information

When working with chemicals, always wear a suitable lab coat, disposable gloves, and protective goggles. For more information, please consult the appropriate safety data sheets (SDSs). These are available online in convenient and compact PDF format at [www.qiagen.com/safety](http://www.qiagen.com/safety), where you can find, view, and print the SDS for each QIAGEN® kit and kit component.

## Important notes

- The TissueLyser Adapter Sets 2 x 24 and 2 x 96 can be used for sample disruption in a cold room (2–8°C, noncondensing conditions) or at room temperature using QIAGEN lysis buffers using QIAGEN lysis buffers.
- The adapter sets can be cleaned with detergent, microbicides, or up to 96% ethanol.
- Do not autoclave or heat-sterilize the TissueLyser Adapter Sets.
- **TissueLyser Adapter Set 2 x 24:** After frequent use, the sealing strips in the top plate may become worn. If damaged, replace them using the replacement strips provided.
- **TissueLyser Adapter Set 2 x 96:** Use only with QIAGEN Collection Microtubes (racked) and Collection Microtube Caps. The lid of the collection microtube rack is not required.

## Procedure

**Important:** Read the the *TissueLyser III User Manual*, which can be downloaded from the resources tab at [www.qiagen.com/TLIII](http://www.qiagen.com/TLIII) before starting a disruption procedure.

1. **For TissueLyser Adapter Set 2 x 24:** Assemble the TissueLyser Adapter Set 2 x 24 using a bottom plate, the reaction-tube holder (with 2 mL safe-lock tubes containing samples and beads), and a top plate with sealing strips.

**For TissueLyser Adapter Set 2 x 96:** Assemble the TissueLyser Adapter Set 2 x 96 using a bottom plate, the Collection Microtube Rack (with Collection Microtubes containing samples and beads and sealed with Collection Microtube Caps), and a top plate.

**For Plate Adapter Set:** Assemble the top and bottom plate around the 96-well plate.

**For 5 mL Tube Adapter Set:** Place the 5 mL tubes onto the adapters and make sure to balance evenly the two adapter sets.

**For 2 mL Tube Holder Set:** Place the 2 mL tubes in the holder and assemble with the Plates Adapter Sets.

**For 50 mL Tube Adapter Set:** Insert the tubes from the side of the adapter.

2. Ensure that the top and bottom plates fit securely, and make sure that the reaction tubes are sealed securely.
3. If using less than the full number of samples (48 or 192), make sure that the TissueLyser Adapter Sets are balanced. Distribute the reaction tubes evenly across the TissueLyser Adapter Sets to balance.
4. Place the assembled TissueLyser Adapter Sets into the TissueLyser holders (arms), and close the handles tightly. Do not use the TissueLyser with only one TissueLyser Adapter Set, since this will cause machine imbalance and decrease homogenization efficiency.
5. Homogenize the sample according to the recommended kit protocol.

## Quality Control

In accordance with QIAGEN's ISO-certified Quality Management System, each lot of TissueLyser Adapter Sets is tested against predetermined specifications to ensure consistent product quality.

## Ordering Information

Product	Contents	Cat. no.
TissueLyser Adapter Set 2 x 96	2 sets of Adapter Plates for use with Collection Microtubes (racked) on the TissueLyser	69984
TissueLyser Adapter Set 2 x 24	2 sets of Adapter Plates and 2 racks for use with 2 mL microcentrifuge tubes on the TissueLyser	69982

Product	Contents	Cat. no.
Plate Adapter Set	Two sets of adapter plates for use with two 96-well plates on the TissueLyser II , compatible with the PowerBead Pro Plates	11990
5 mL Tube Adapter Set	For sample homogenization using 5 mL bead tubes on a TissueLyser II and III	11980
50 mL Tube Adapter Set	For sample homogenization using 50 mL bead tubes on a TissueLyser III	11960
2 mL Tube Holder Set	For sample homogenization in 2 mL bead tubes on a TissueLyser II	11993
<b>Related products</b>		
TissueLyser III	Bead mill, 100–120/220–240 V, 50/60 Hz	9003240
Collection Microtubes (racked)	Nonsterile polypropylene tubes (1.2 mL), 960 in racks of 96	19560
Collection Microtube Caps	Nonsterile polypropylene caps for Collection Microtubes (1.2 mL) and round-well blocks, 960 in strips of 8	19566
Stainless Steel Beads, 5 mm (200)	Stainless Steel Beads, suitable for use with the TissueLyser system	69989
Stainless Steel Beads, 7 mm (200)	Tungsten Carbide Beads, suitable for use with the TissueLyser system	69997
TissueLyser 3 mm Bead Dispenser, 96-well	For dispensing 96 beads (3 mm diameter) in parallel	69973
TissueLyser 5 mm Bead Dispenser, 96-well	For dispensing 96 beads (5 mm diameter) in parallel	69975
TissueLyser Single Bead Dispenser, 5 mm	For dispensing individual beads (5 mm diameter)	69965
TissueLyser Single Bead Dispenser, 7 mm	For dispensing individual beads (7 mm diameter)	69967
PowerBead Pro Plates (4)	Bead plates ready for rapid and reliable biological sample lysis from a wide variety of starting materials	19311
PowerWater DNA Bead Tube (50)	Bead Tubes for the DNeasy PowerWater Kit	14900-50-NF-BT

Product	Contents	Cat. no.
PowerBead Tubes, Ceramic, 1.4 mm (50)	2 mL PowerBead tubes filled with 1.4 mm ceramic beads	13113-50
PowerBead Tubes, Ceramic, 2.8 mm (50)	2 mL PowerBead tubes filled with 2.8 mm ceramic beads	13114-50
PowerBead Tubes, Glass, 0.5 mm (50)	2 mL PowerBead tubes filled with 0.5 mm glass beads	13116-50
PowerBead Tubes, Glass, 0.1 mm (50)	2 mL PowerBead tubes filled with 0.1 mm ceramic beads	13118-50
PowerBead Tubes, Metal, 2.38 mm (50)	2 mL PowerBead tubes filled with 2.38 mm metal beads	13117-50
PowerBead Pro Tubes (2 mL) (50)	Bead tubes ready for rapid and reliable biological sample lysis from a wide variety of starting materials, 2 mL	19301

All due care and attention should be exercised in the handling of the products. We recommend all users of QIAGEN products to follow any applicable local regulation and we also recommend to follow any applicable standards and guidelines.

## Document Revision History

Date	Changes
02/2024	Updated the Contents, Procedure, and Ordering Information sections. Included the shipping temperature. Added the Intended Use section. Updated the recommended temperature for using TissueLyser Adapter Sets.
09/2014	Initial release

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual.

Trademarks: QIAGEN®, Sample to Insight®; PowerWater® (QIAGEN Group); Falcon® (Corning, Inc.); Eppendorf® (Eppendorf AG). Registered names, trademarks, etc. used in this document, even when not specifically marked as such, are not to be considered unprotected by law.

04/2024 HB-1866-002 © 2024 QIAGEN, all rights reserved.