

## TissueLyser Adapter Sets

### For efficient disruption of up to 48 or 192 samples in parallel on the TissueLyser

TissueLyser Adapter Sets are designed for efficient and user-friendly disruption of up to 48 or 192 samples in parallel, using the TissueLyser.

The TissueLyser Adapter Set 2 x 24 contains a pair of TL Reaction-Tube Holders, 24-Tube. Each holder holds up to 24 microcentrifuge tubes (2.0 ml). The use of safe-lock tubes is strongly recommended (e.g., Eppendorf Safe-Lock micro test tubes).

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

### Product contents

TissueLyser Adapter Set	2 x 24	2 x 96
Catalog no.	69982	69984
Top Plate	2	2
Bottom Plate	2	2
TL Reaction-Tube Holder, 24-Tube	2	–
Sealing Strips	6	–

### Storage conditions

TissueLyser Adapter Sets should be stored dry at room temperature (15–25°C).

### 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.

### 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

- TissueLyser Adapter Sets 2 x 24 and 2 x 96 can be used for sample disruption after freezing the sample in liquid nitrogen or at room temperature using QIAGEN lysis buffers.
- The adapter sets can be cleaned with detergent, microbicides, or up to 96% ethanol.
- Do not autoclave or heat-sterilize TissueLyser Adapter Sets.
- TissueLyser Adapter Sets are suitable for operation with collection microtubes and microcentrifuge tubes that are within a temperature range of  $-196^{\circ}\text{C}$  (liquid nitrogen) to  $+30^{\circ}\text{C}$ .
- 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 *TissueLyser Handbook* and the *TissueLyser II User Manual*, which can be downloaded from the resources tab at [www.qiagen.com/Products/TissueLyserII.aspx](http://www.qiagen.com/Products/TissueLyserII.aspx) 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 2.0 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.**
2. **Ensure that the top and bottom plate 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.**

## 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 2.0 ml microcentrifuge tubes on the TissueLyser	69982
<b>Related products</b>		
TissueLyser II	Universal laboratory mixer-mill disruptor, 100–120/220–240 V, 50/60 Hz	85300
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
Tungsten Carbide Beads, 3 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

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

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