

91600005 Rev C

MERSCOPE™ Photobleacher

User Guide



vizgen



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Other Vizgen references, available online at <https://vizgen.com/>

Vizgen document	Document number
MERSCOPE Instrument User Guide	91600001
MERSCOPE Fresh and Fixed Frozen Tissue Sample Preparation User Guide	91600002
MERSCOPE Cultured Cells Sample Preparation User Guide	91600003
MERSCOPE Sample Verification Kit User Guide	91600004



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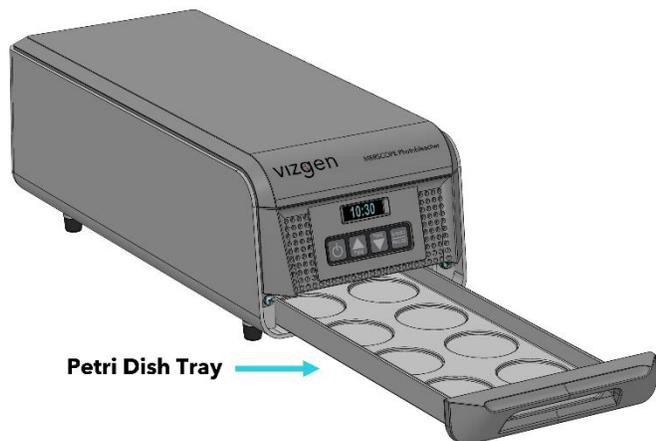
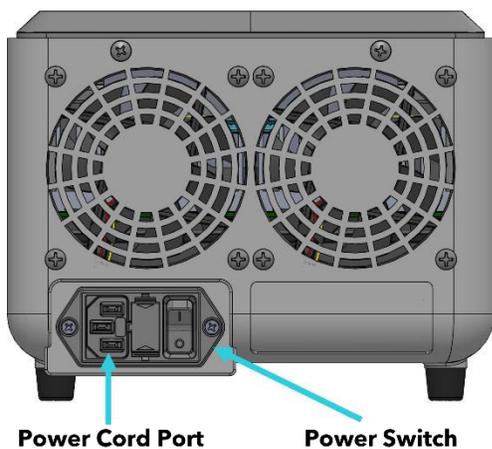
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INSTRUMENT OVERVIEW

This guide outlines the instructions for use for the MERSCOPE Photobleacher. The MERSCOPE Photobleacher is used to remove autofluorescent background from tissue samples before performing MERFISH measurements on the MERSCOPE™ Platform.

Name	Part Number
MERSCOPE Photobleacher	10100003



DIMENSIONS & SPECIFICATIONS

MERSCOPE Photobleacher Dimensions

MERSCOPE Imaging Box	Dimensions	
Height	5.95 in	15 cm
Width	7.50 in	19 cm
Length	17.15 in	44 cm
Weight	8.2 lb	3.7 kg

Power Specifications

Instrument Power Requirements	Specification
Line voltage	100-240VAC, 6.8A, 50-60 Hz
Mains Supply Fluctuations	+/- 10%

ENVIRONMENTAL CONSIDERATIONS

Element	Specification
Operation Altitude	2000 meters
Temperature	Maintain a laboratory temperature of 15°C to 30°C.
Humidity	Maintain a non-condensing relative humidity between 10 and 80%.
Air quality	Keep the instrument away from sources of dust. For indoor use only.

RUN THE MERSCOPE PHOTOBLEACHER

1. Turn on the MERSCOPE Photobleacher using the Power Switch on the back.
2. Open the MERSCOPE Photobleacher tray and load your parafilm-sealed petri dish or multiple petri dishes.

NOTE: ENSURE there are no labels/writing/other items on the lid that may block the light.

3. Press the POWER button on the front panel to turn on the Photobleacher.

4. Users should run the MERSCOPE Sample Verification Kit (Human, PN 10400007 or Mouse, PN 10400008) on their sample to determine the time course needed on the photobleacher.
5. To appropriately clear any autofluorescent background, run the photobleacher at room temperature for the time course recommended by the Vizgen Sample Preparation User Guides.

NOTE: Do not exceed 5 hours of Photobleacher run time.

6. Use the UP and DOWN TIME arrow buttons on the front panel to set your time course and press the START/PAUSE button.
7. If for any reason you need to open the tray after beginning a run, press the START/PAUSE button to pause the instrument.
8. When the run is complete, open the MERSCOPE Photobleacher tray to remove your parafilm-sealed petri dish or multiple petri dishes.
9. When you are done using the MERSCOPE Photobleacher, press the POWER button to turn off the instrument.