

Helena TITAN GEL Electrophoresis Chamber

- Easy to use
- Compact modern design
- Maximum safety
- Adapts to all power supplies
- Holds up to 3 Titan III® Zip Zone plates or 2 TITAN GEL agarose plates
- May be used with:
 - Cellulose acetate
 - Agarose/Agar
 - Starch
 - Acrylamide
- Accepts plates to 9" x 6"

Cat. No. 4063

The TITAN GEL chamber is designed for maximum flexibility, versatility and safety. Unique wicking with disposable paper wicks or sponges allows it to be used with virtually all types of support media supported by a rigid flat base (i.e. glass or Mylar) up to 9" by 6". The support media is electrically connected by placing media side in contact with the wicks. This exceptional approach provides the finest electrophoresis. It eliminates vapor condensation on the support media while exposing the media side to maximum vapor and minimum air movement. It also elimi-

nates all of the work and inconvenience necessary with wicking other chambers. The inner compartments are designed for electrophoresis of non-rigid support media such as agarose.

The TITAN GEL chamber has every feature necessary for the finest electrophoresis results including: Chamber length electrodes for uniform voltage gradients, "in-chamber" ice cooling for the most effective heat dissipation in a low cost chamber, and special safety contacts completely sealed in 1/8" acrylic for maximum safety.

The chamber holds up to 8 1" x 3" Titan III plates or 3 Zip Zone® plates and it works extremely well with agar and agarose plates.

The TITAN GEL chamber is constructed of high impact acrylic, and the flat lid of warp resistant, clear polycarbonate for visualization during the run. The lid has a groove on the ridge cover seal to reduce evaporation and increase vapor saturation.

Call for more information about the TITAN GEL Chamber and our complete line of electrophoresis products. Toll free 800-231-5663.

Helena Laboratories
P.O. Box 752
Beaumont, Texas 77704-0752

Specifications for TITAN GEL Chamber

Capacity	8 Titan® III cellulose acetate plates, 25 x 76 mm 3 Titan® III cellulose acetate plates, 60 x 76 mm 2 gel (agar, starch, acrylamide) coated lantern slides 8 gel coated microscope slides, 1" x 3" Any size plate to 9" x 6" 2 TITAN GEL agarose plates
Electrophoresis media accepted	Any media with a rigid, flat base (glass, Mylar®, etc.) including Titan® III Cellulose acetate plate, TITAN GEL agarose, agar, starch gel and acrylamide gel
Buffer capacity	Up to 250 mL per outside electrode compartment
Working volume	Up to 50 mL per inside compartment As little as 100 mL
Wicks	Disposable paper wicks included with chamber. Reusable sponge wicks are also available
Leads	Permit use of multiple chambers connected to one power supply of any manufacturer. These stackable leads use standard banana plugs.
Separation limits	3" using inside bridges. Variable up to 6" using sponges
Cooling	Inside compartments accept ice when necessary.
Safety	Lid is integral part of electrical connection. Current to chamber is broken at 2 points when lid is removed. Leads to chamber are permanently connected and electrode connections are completely sealed in 1/8" acrylic.
Electrodes	Four 9" platinum electrodes insure constant field strength.
Operation	Easy and quick to use. No pins or tension devices required. Plates may be removed without disturbing the remaining plates. Plates are inverted to establish "support media-wick connection."
Maximum working voltage	600V @ 100mA
Size	12" x 8" x 2"
Weight	2 lbs.
Materials	Base constructed of white high impact acrylic for long lasting, dependable service and easy upkeep. Lid is clear cast polycarbonate.
Warranty	Helena warrants each unit to be free from defects in material and workmanship. Helena's liability under this warranty is limited to servicing or adjusting any unit returned to the factory and to replacing any defective part. This warranty is effective 6 months commencing from the date of shipment to the original purchaser, and does not cover faults caused by misuse, abnormal conditions or damage incurred in shipment.
Cat. No.	4063

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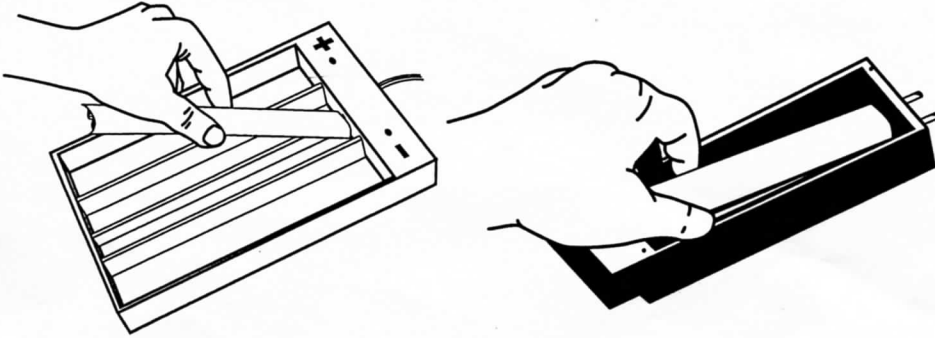
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TITAN GEL® Heat Shield

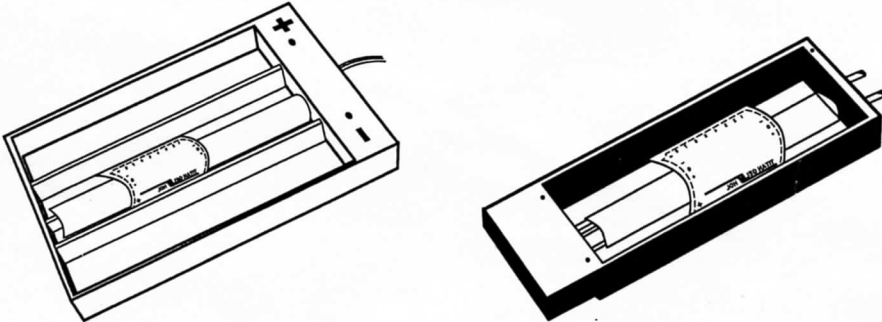
The TITAN GEL Heat Shield is for use in the TITAN GEL Chamber (Cat. No. 4063 – 21.5 cm) and the EWC Chamber (Cat. No. 1557 – 15.5 cm). The Heat Shield provides a physical barrier between the heat from the electrodes and the gel. Decreasing the heat build-up will ensure higher resolution of electrophoresis patterns and eliminate the need for the refrigerated cooling device. It will also allow you the option of running two gels per chamber. The Heat Shield should be used when running the TITAN GEL HDL Procedure and other procedures as outlined in the instructions.

INSTRUCTIONS FOR USE:

1. Position the Heat Shield over the center baffle of the chamber as shown.



2. While gently squeezing the sides of the gel, place it agarose side down into the inner sections of the chamber over the Heat Shield.



Please call toll-free if you have any questions; USA -800-231-5663.

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