

## BugStopper™ Microplate Capmats



### Sterile Venting Closures for Microplate Cultures

- **More efficient than plastic lids**—perfect for extended growth of slow growing bacteria and fungi
- **Positive seal for every well**—significantly reduces evaporation rate and eliminates well to well cross-contamination
- **Autoclave and reuse**—cost-effective; repeated autoclave cycles do not affect gas exchange or retention capabilities
- **Rated 99.9% efficient for bacteria and viruses**—restricts microorganisms while allowing H<sub>2</sub>O and CO<sub>2</sub> to pass through the membrane
- **Prevents aerosol formation**—suitable for growth of infectious microorganisms

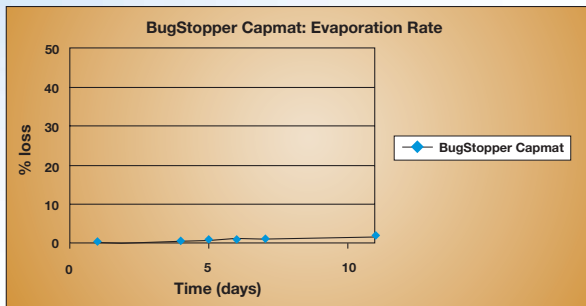
Whatman BugStopper Capmats provide a simple and reliable method for venting cultures being grown in a microplate. This reusable sterile closure, which is produced using chemically resistant biosafe silicone rubber, incorporates hydrophobic microfilters which provide an ideal vent for each well. More efficient than plastic lids, test comparisons confirm that BugStopper Capmats improve cell growth and significantly reduce evaporation. The silicone rubber portion of the capmat reseals after puncture, thus keeping cell cultures sterile during inoculation or aspiration.

### Ordering Information

Cat. No.	Description	Qty./Case
7704-0014	24 well BugStopper Venting Capmats for 10 mL microplates	5
7701-5102	24 well, 10 mL, natural polypropylene with round bottom microplate	25

# BugStopper™ Capmat Test Results

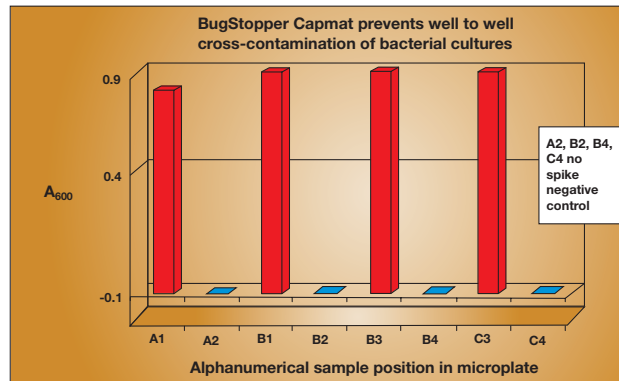
## Reduced Evaporation Rate



24 well 10 mL plate prefilled with 5mL of LB broth, sealed with BugStopper Capmat. The plate was placed in 37°C incubator for 10 days.

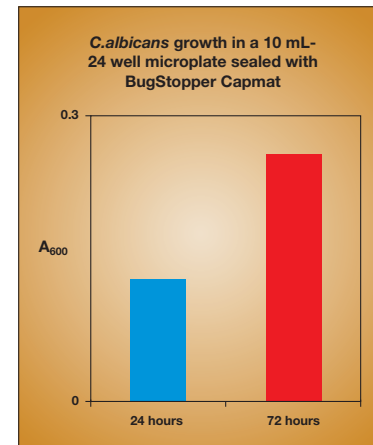
## Bacterial Growth: No Crosstalk

*E. coli* grown in LB broth for 17 hours at 37°C. Well to well reproducible cell density at OD<sub>600</sub>. Wells A2, B2, B4, and C4, prefilled with LB broth were not inoculated.



## Efficient Fungal Growth

Slow growing *C. albicans* cultivated at ambient temperature for 72 hours on shaking platform. Increase in cell density after 72 hours was measured at OD<sub>600</sub>.



# Whatman®

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