

Bacterial Contamination

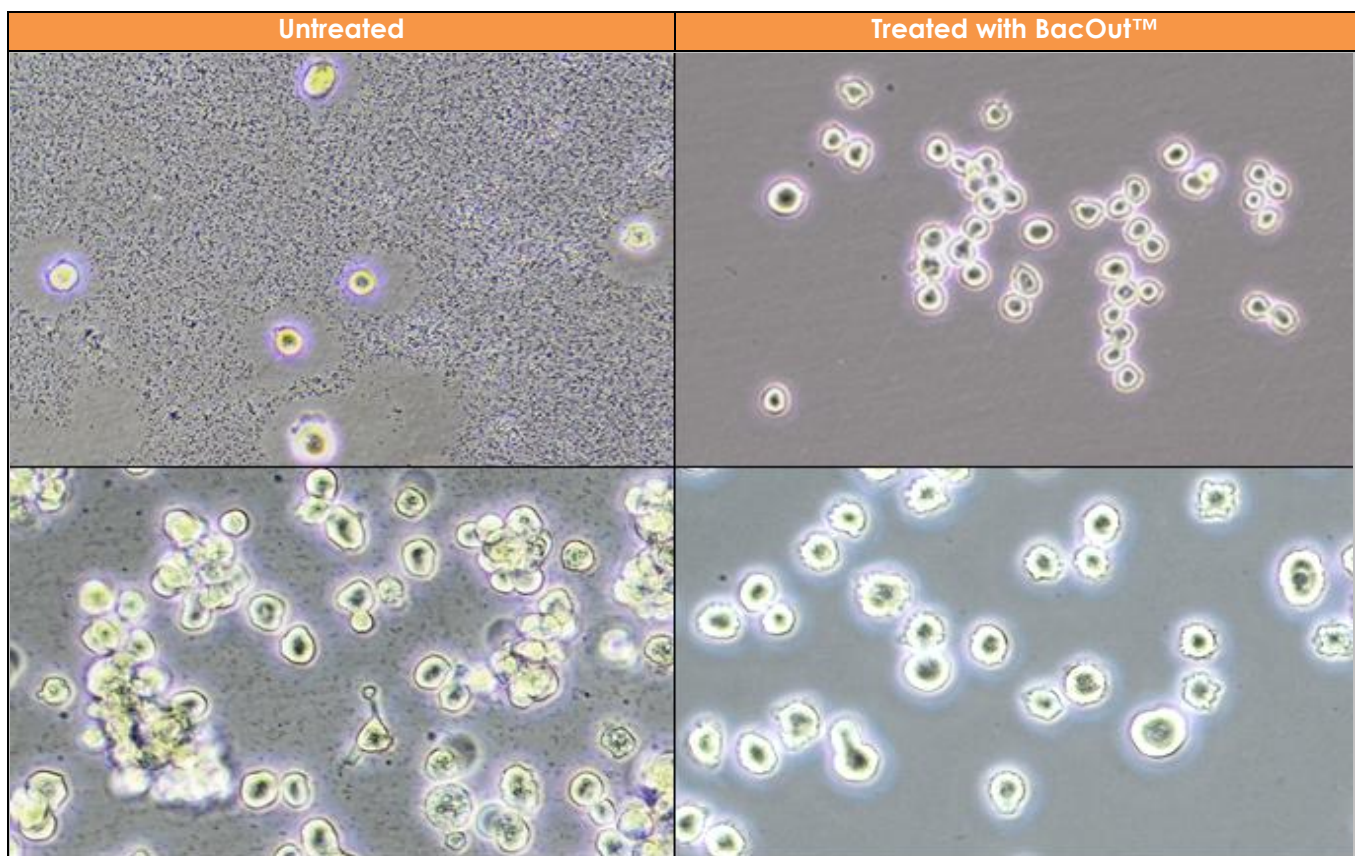
Bacterial Contamination: A Critical Issue in Cell Culture

Bacterial contamination is a major concern in cell culture, as bacteria can rapidly overgrow cultures, alter cellular physiology, and compromise experimental data. Because bacteria can be introduced through even minor breaches in aseptic technique, strict monitoring and control are vital to maintain the reliability of your cell culture work.

Why Bacterial Contamination Control Is Critical:

- **Irreversible Loss of Valuable Cell Lines:** Bacterial contamination can quickly destroy precious cultures, especially irreplaceable or unbanked cell lines. Contaminated cells are often lost permanently, leaving no recovery options.
- **No Existing Solution—Until Now:** Conventional antibiotics and decontamination methods fail to rescue contaminated cultures without harming the cells themselves. To date, no product or expertise has been able to effectively eliminate bacteria without sacrificing the culture.

abm's BacOut™ Antibiotics have been developed for this exact problem and offers a breakthrough approach to safely remove bacterial contamination while preserving the integrity of valuable cell lines, protecting your most critical biological assets.



Following 2 weeks of BacOut™ treatment and passaging, bacteria-contaminated cultures displayed improved growth and restored cell morphology compared to untreated cultures.

| Application | Product | Cat.No. | Mycoplasma | Bacteria | Yeast | Fungi | Quantity |
|-------------|---------|---------|------------|----------|-------|-------|----------------------------------|
| Prevention | BacOut™ | G7000 | | ✓ | ✓ | ✓ | 3 x 2 ml (for 400 ml culture) |
| Elimination | BacOut™ | G7000 | | ✓ | ✓ | ✓ | 3 x 2 ml (for 200 ml culture) |

abm's antimicrobial agents can be used as a prophylactic and elimination treatment against contamination.