

EZ-PEC™ For Antimicrobial Effectiveness Testing

- Ready-To-Use
- Quantitative
- Saves Time and Labor
- More Affordable than Similar Products



Antimicrobial Effectiveness Testing (AET) is critical to ensuring the safety of products containing antimicrobial preservatives. The purpose of this test is to demonstrate the effectiveness of antimicrobial protection. Guidelines for AET are found in Pharmacopeial standards such as USP 51, Ph. Eur. 5.1.3 and JP 19. The test is performed by inoculating the preserved product with test microorganisms, then aliquots are removed with time for the determination of survivors. The concentration of the test microorganism to be added to the product must be between 1×10^5 and 1×10^6 CFU per mL of the product being tested, after inoculation.

Traditional methods of preparing inocula for the AET are not only time consuming and labor-intensive, but can also prove to be problematic and unreliable. When processed as directed, EZ-PEC™ is designed to deliver a final concentration of 10^5 to 10^6 CFU per mL of the product being tested.

EZ-PEC™ quantitative microorganisms offer significant time and labor savings, and are much more affordable than similar products on the market!

Save time and money with *EZ-PEC*[™] for Antimicrobial Effectiveness Testing

It's really this **EZ**



Place two (2) pellets into the 2mL vial of hydrating fluid.



Incubate for 30 min at 34°C-38°C. Vortex to achieve a homogeneous suspension.



Transfer hydrated suspension to the material to be challenged. A 0.5% or 1.0% addition will provide a challenge of 1.0E+05 - 1.0E+06 CFU per mL of product.

Visit our website to view complete instructions.

- More cost-effective than similar products
- Highly characterized, licensed, and traceable strains
- Kit contains microorganisms and hydrating fluid
- Peel-off Certificate of Assay label
- Online Certificate of Analysis
- Online Statistical Analysis Certificate
- Product Warranty

Available Strains

Catalog #	Description
0486-PEC	<i>Bacillus subtilis</i> subsp. <i>spizizenii</i> ATCC® 6633 ^{™*}
0443-PEC	<i>Candida albicans</i> ATCC® 10231 ^{™*}
0379-PEC	<i>Candida albicans</i> NCYC 1363
0483-PEC	<i>Escherichia coli</i> ATCC® 8739 ^{™*}
0581-PEC	<i>Escherichia coli</i> NCIMB 8545
0484-PEC	<i>Pseudomonas aeruginosa</i> ATCC® 9027 ^{™*}
0485-PEC	<i>Staphylococcus aureus</i> subsp. <i>aureus</i> ATCC® 6538 ^{™*}
0579-PEC	<i>Staphylococcus aureus</i> subsp. <i>aureus</i> NCIMB 9518

EZ-PEC[™] kits include:

- 20 lyophilized pellets of a single enumerated strain
- 10 vials of hydrating fluid (2 mL in each vial)
- Peel-Off Certificate of Assay



A safer, healthier world.

CUSTOMER SERVICE & TECHNICAL SUPPORT:

phone 320.253.1640 | toll-free 800.599.BUGS (2847) | fax 320.253.6250

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