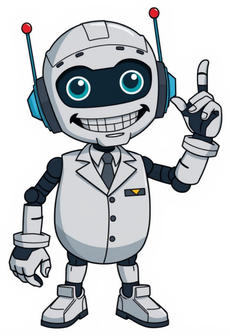
Click to prove you're human



The data presented in the tables is only valid when followed by CLSI M02, M07, and M11 methodologies. These standards cover disk diffusion and dilution procedures for aerobic and anaerobic bacteria. Clinicians rely heavily on microbiology lab results to treat seriously ill patients, making accurate test results crucial. The clinical significance of antimicrobial susceptibility tests requires optimal conditions and the ability to provide results for new antimicrobial agents. The tables in CLSI M100 represent the latest information for drug selection, interpretation, and quality control, following standardized procedures in M02, M07, and M11. Users should replace previous tables with these new ones, as they contain significant changes since the last edition. The FDA recognizes the Clinical and Laboratory Standards Institute (CLSI) standards for antimicrobial susceptibility testing for various drugs. However, specific exceptions and additions must be identified in the table to ensure full recognition. The recognized standards include: * CLSI M100: Performance Standards for Antimicrobial Susceptibility Testing * CLSI M45: Methods for Antimicrobial Dilution and Disk Susceptibility Testing of Infrequently Isolated or Fastidious Bacteria * CLSI M24S: Performance Standards for Susceptibility Testing of Mycobacteria, Nocardia spp., and Other Aerobic Actinomycetes * CLSI M43-A: Methods for Antimicrobial Susceptibility Testing for Human Mycoplasmas The FDA recognizes these standards for certain drugs, but not all. For example: * Amikacin (injectable) is recognized in both CLSI M100 and exceptions/additions * Azithromycin (injectable, oral) is recognized in both CLSI M100 and exceptions/additions * Cefepime (injectable) is recognized in both CLSI M100 and exceptions/additions The FDA also recognizes surrogate testing methods included in the recognized standards for certain bacterial families or genera. Here's a paraphrased list of antimicrobials, noting their administration routes and FDA approval status: Antimicrobial Properties