METHODS (Continued)

RESULTS

A multicenter study was performed to evaluate the accuracy of ceftolozane/tazobactam on a MicroScan Dried Gram Negative MIC (MSDGN) Panel when compared to frozen CLSI broth microdilution reference panel at three sites using both the turbidity and Prompt™ methods of inoculation. Material/methods: For efficacy, an evaluation was conducted at three sites by comparing MICs obtained using the MSDGN to MICs using a CLSI broth microdilution reference panel. A total of 757 Enterobacteriaceae and Pseudomonas aeruginosa clinical isolates were tested using the turbidity and Prompt™ methods of inoculation. For reproducibility, an evaluation was conducted at three sites by comparing MICs obtained using the MSDGN to MICs using a CLSI broth microdilution reference panel. A total of 575 Enterobacteriaceae and Pseudomonas aeruginosa clinical isolates were tested using the turbidity and Prompt™ methods of inoculation. Reproducibility among the three sites were greater than 95% for all read methods for both the turbidity and Prompt inoculation methods.

Conclusions: This multicenter study showed that ceftolozane/tazobactam MIC results for Enterobacteriaceae and Pseudomonas aeruginosa using MSDGN panel correlate well with MICs obtained using frozen reference panels.

METHODS

1. Background:

A multicenter study was performed to evaluate the performance of a MicroScan Dried Gram Negative MIC panel with ceftolozane/tazobactam using Enterobacteriaceae and Pseudomonas aeruginosa isolates with FDA and interpretive breakpoints.

2. Study Design:

MicroScan Dried Gram Negative MIC panels were tested concurrently with a CLSI frozen broth microdilution reference panel at three sites using both the turbidity and Prompt inoculation methods. A total of 693 Enterobacteriaceae and Pseudomonas aeruginosa clinical isolates were tested among the three sites. Quality Control Expected Results

3. Efficacy & Challenge:

• For efficacy, an evaluation was conducted at three sites by comparing MICs obtained using the MSDGN to MICs using a CLSI broth microdilution reference panel. A total of 575 Enterobacteriaceae and Pseudomonas aeruginosa clinical isolates were tested using the turbidity and Prompt™ methods of inoculation. For reproducibility, an evaluation was conducted at three sites by comparing MICs obtained using the MSDGN to MICs using a CLSI broth microdilution reference panel. A total of 575 Enterobacteriaceae and Pseudomonas aeruginosa clinical isolates were tested using the turbidity and Prompt™ methods of inoculation. There is a correlation between the MIC results obtained using MicroScan Dried Gram Negative panel and MICs obtained using a CLSI broth microdilution frozen reference panel for susceptibility testing of ceftolozane/tazobactam and Enterobacteriaceae and Pseudomonas aeruginosa in a multicenter study using the Prompt system. This study was supported by Merck Sharp & Dohme Corp.

4. Reporting:

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