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|  Method Comparison for Testing Same Analyte |
| **Purpose** | This procedure provides instruction for evaluating the relationship between test results when two different methods/instruments are used for testing the same analyte. To meet acceptable performance, both methods must achieve the comparable MIC value. We will compare Vitek and MicroScan MIC values to ensure both methods achieve a comparable MIC value. |
| **Principal and Clinical Significance** | Nonwaived instruments used for testing the same analyte are checked against each other at least twice a year (CAP COM.04250)1.  |
| **Policy Statements** | This procedure applies to Microbiologists who perform plate reading. |
| **Sample** | * QC sample *E.coli* ATCC strain 25922
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| **Special Safety Precautions** | Microbiologists are subject to occupational risks associated with specimen handling. Refer to the safety policies located in the safety section of the *Microbiology Procedure Manual***.**1. [*Biohazard Containment*](file:///G%3A%5CLab%20Procedures%5CMicrobiology%5C1NEW%20Micro%20Procedure%20Manual.%20%28same%20as%20in%20Starnet%29%5CMCVI%203%20Safety%5CMCVI%203.1%20Biohazard%20Containment.docx)
2. [*Biohazardous Spills*](file:///G%3A%5CLab%20Procedures%5CMicrobiology%5C1NEW%20Micro%20Procedure%20Manual.%20%28same%20as%20in%20Starnet%29%5CMCVI%203%20Safety%5CMCVI%203.4%20Biohazardous%20Spills.docx)
3. [*Safety in the Microbiology Laboratory*](file:///G%3A%5CLab%20Procedures%5CMicrobiology%5C1NEW%20Micro%20Procedure%20Manual.%20%28same%20as%20in%20Starnet%29%5CMCVI%203%20Safety%5CMCVI%203.2%20Safety%20in%20the%20Microbiology%20Lab.docx)
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| **Procedure** | 1. Obtain weekly QC results from Vitek 2XL AST-GN95 card and MicroScan NC68 for

*E. coli* ATCC strain 25922.1. Compare MIC’s results of antibiotics that are shared on each panel.
2. Determine if results are in agreement, within 1 doubling dilution or to level of detection.
3. Record Vitek and MicroScan QC MIC’s results on the Method Comparison log twice a year. [MCVI 1.9 f1 Method Comparison for Testing the Same Analyte.](MCVI%201.9%20f1%20Method%20Comparison%20for%20Testing%20the%20Same%20Analyte.docx)
4. Document and Notify Microbiology Supervisor if results are not acceptable.
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| **References** | 1. Microbiology Checklist requirement : CAP COM.04250, College of American Pathologists Accreditation Program [www.cap.org](http://www.cap.org)
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| **Training Plan/ Competency Assessment** | **Training Plan** | **Initial Competency Assessment** |
| 1. Employee must read the procedure.
2. Employee will observe trainer performing the procedure.
3. Employee will demonstrate the ability to perform procedure, record results and document corrective action after instruction by the trainer.
 | 1. Direct observation.
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| **Historical Record** |  |  |  |  |
|  | **Version** | **Written/Revised by:** | **Effective Date:** | **Summary of Revisions** |
| 1 | Susan DeMeyere | 4/22/2022 | Initial version |
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