

Laboratory Evaluation of the Performance of Nitrocefin Disks from Different Manufacturers

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Problem Statement

Nitrocefin disks are used to identify the presence of beta-lactamase, as penicillin disk testing may not reliably detect penicillin resistance.

Due to a necessary change in suppliers of Nitrocefin disks, a performance evaluation is required to ensure that disks from the new supplier perform as expected.

Project Aim

Our project aims to determine the viability of using Nitrocefin disks from a new manufacturer for clinical purposes.

Lessons Learnt

Training should be provided to equip team members with the required skills prior to commencement of evaluation to reduce unfamiliarity with technique.

Through this evaluation, we have realized the importance of trained and empowered staff in producing good quality work.

Potential Solutions

Testing of Recommended QC Isolates

Testing of Clinical Isolates

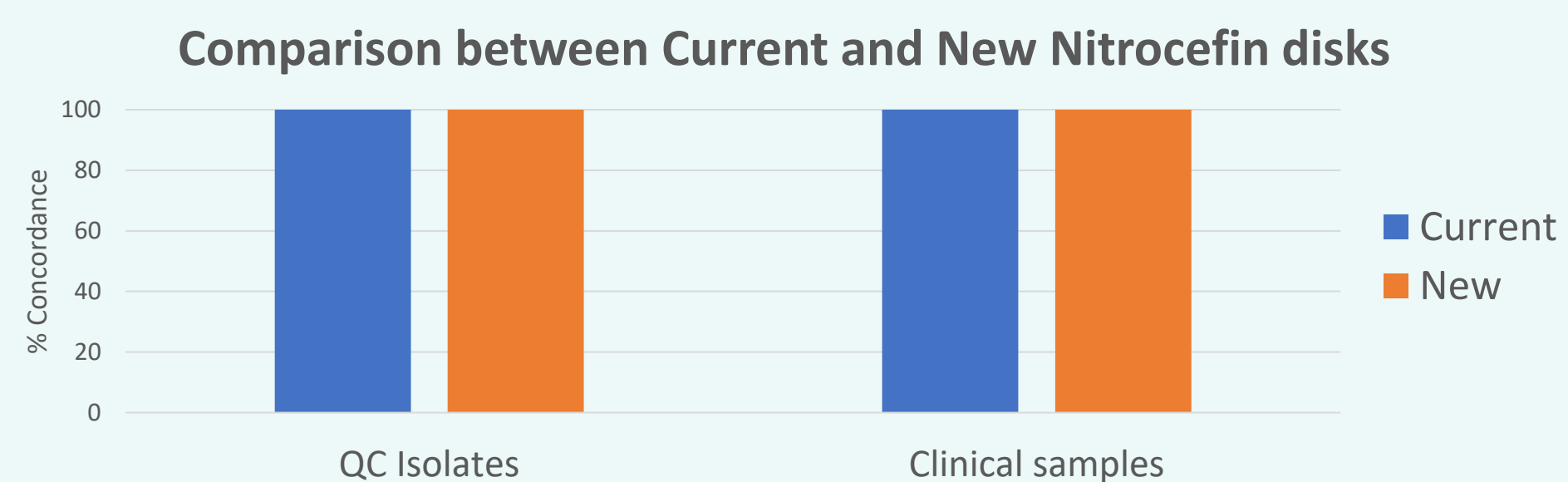
Disk Performance Evaluation

Ease of Usage and Interpretation

Multiple testing of isolates for Reproducibility

Outcomes & Impacts

100% categorical agreement was achieved for our currently in-use and new disks.



More intense colour and shorter colour development time made the new disks easier to interpret.

This evaluation concluded that the disks from the both manufacturers performed similarly.