**Supplementary Table S3.** Method for Determining Consensus Adjudication (CA) from Expert Reviewer Assessments

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Expert Reviewers’ Bacterial Assessment** | **Expert Reviewers’ Viral Assessment** | **CA Presence of Bacterial Infection** | **CA Presence of Viral Infection** | **Include in CA Analysis of IMX-BVN-2 Bacterial Score Performance?1** | **Include in CA Analysis of IMX-BVN-2 Viral Score Performance?1** |
| Yes | Yes | Present | Present | Include | Include |
| Yes | Probably | Present | Inconclusive | Include | Remove |
| Yes | Unlikely | Present | Inconclusive | Include | Remove |
| Yes | No | Present | Absent | Include | Include |
| Probably | Yes | Inconclusive | Present | Remove | Include |
| Probably | Probably | Inconclusive | Inconclusive | Remove | Remove |
| Probably | Unlikely | Inconclusive | Inconclusive | Remove | Remove |
| Probably | No | Inconclusive | Absent | Remove | Include |
| Unlikely | Yes | Inconclusive | Present | Remove | Include |
| Unlikely | Probably | Inconclusive | Inconclusive | Remove | Remove |
| Unlikely | Unlikely | Inconclusive | Inconclusive | Remove | Remove |
| Unlikely | No | Inconclusive | Absent | Remove | Include |
| No | Yes | Absent | Present | Include | Include |
| No | Probably | Absent | Inconclusive | Include | Remove |
| No | Unlikely | Absent | Inconclusive | Include | Remove |
| No | No | Absent | Absent | Include | Include |

\*Performance characteristics analyzed include AUROC, as well as tables of sensitivity, specificity, likelihood ratio, pre-test probabilities, and post-test probabilities segmented by results interpretation bands.

**Supplementary Table S4.** Method for Determining Forced Adjudication (FA) from Expert Reviewer Assessments

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Expert Reviewers’ Bacterial Assessment** | **Expert Reviewers’ Viral Assessment** | **FA Presence of Bacterial Infection** | **FA Presence of Viral Infection** | **Include in FA Analysis of IMX-BVN-2 Bacterial Score Performance?\*** | **Include in FA Analysis of IMX-BVN-2 Viral Score Performance?\*** |
| Yes | Yes | Present | Present | Include | Include |
| Yes | Probably | Present | Present | Include | Include |
| Yes | Unlikely | Present | Absent | Include | Include |
| Yes | No | Present | Absent | Include | Include |
| Probably | Yes | Present | Present | Include | Include |
| Probably | Probably | Present | Present | Include | Include |
| Probably | Unlikely | Present | Absent | Include | Include |
| Probably | No | Present | Absent | Include | Include |
| Unlikely | Yes | Absent | Present | Include | Include |
| Unlikely | Probably | Absent | Present | Include | Include |
| Unlikely | Unlikely | Absent | Absent | Include | Include |
| Unlikely | No | Absent | Absent | Include | Include |
| No | Yes | Absent | Present | Include | Include |
| No | Probably | Absent | Present | Include | Include |
| No | Unlikely | Absent | Absent | Include | Include |
| No | No | Absent | Absent | Include | Include |

\*Performance characteristics analyzed include AUROC, as well as tables of sensitivity, specificity, likelihood ratio, pre-test probabilities, and post-test probabilities segmented by results interpretation bands.

**Example:** A subject who had an expert panel assessment of proven bacterial infection and unlikely viral infection would have a FA of bacterial infection present and viral infection absent. However, the CA for this subject would be bacterial infection present and viral infection inconclusive. This subject would be included in IMX-BVN-2 bacterial score CA performance analyses but removed from IMX-BVN-2 viral score CA performance analyses