Additional file 5. Receiver operating characteristic curves for the provisional score of the derivation phase.
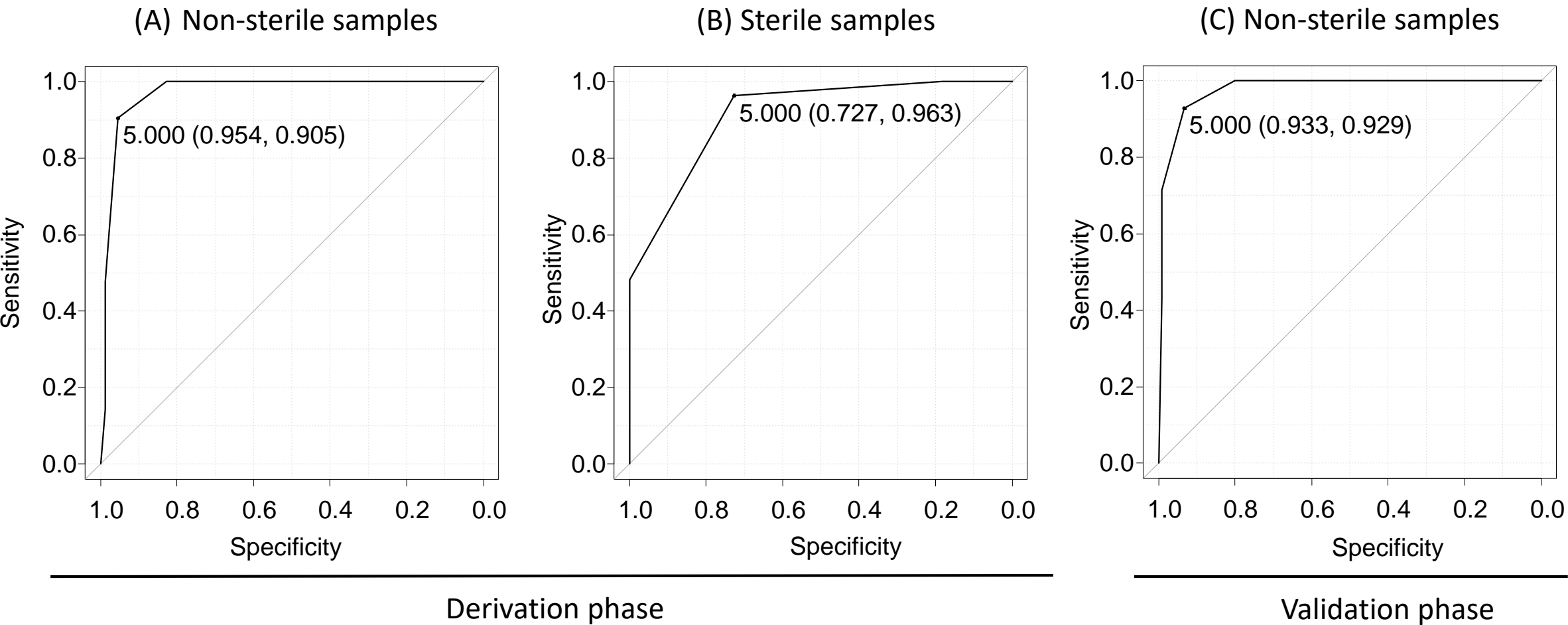

(A) Non-sterile samples — 5.000 (0.954, 0.905)
(B) Sterile samples — 5.000 (0.727, 0.963)
(C) Non-sterile samples — 5.000 (0.933, 0.929)

Derivation phase

Validation phase

(A) sensitivity, 100%; specificity, 95.7%; PPV, 0.826; NPV, 1.0; AUC, 0.973 (95% CI: 0.946–1.0)
(B) sensitivity, 96.3%; specificity, 72.7%; PPV, 0.897; NPV, 0.889; AUC, 0.914 (95% CI: 0.829–0.999)
(C) sensitivity, 92.9%; specificity, 93.3%; PPV, 0.619; NPV, 0.991; AUC, 0.978 (95% CI: 0.955–1.0)
For the sterile samples in the validation phase, subgroup analysis was inapplicable due to the small number of the cases (n = 6).
AUC, area under the curve; PPN, positive predictive values; NPV negative predictive values; NA, not applicable.