

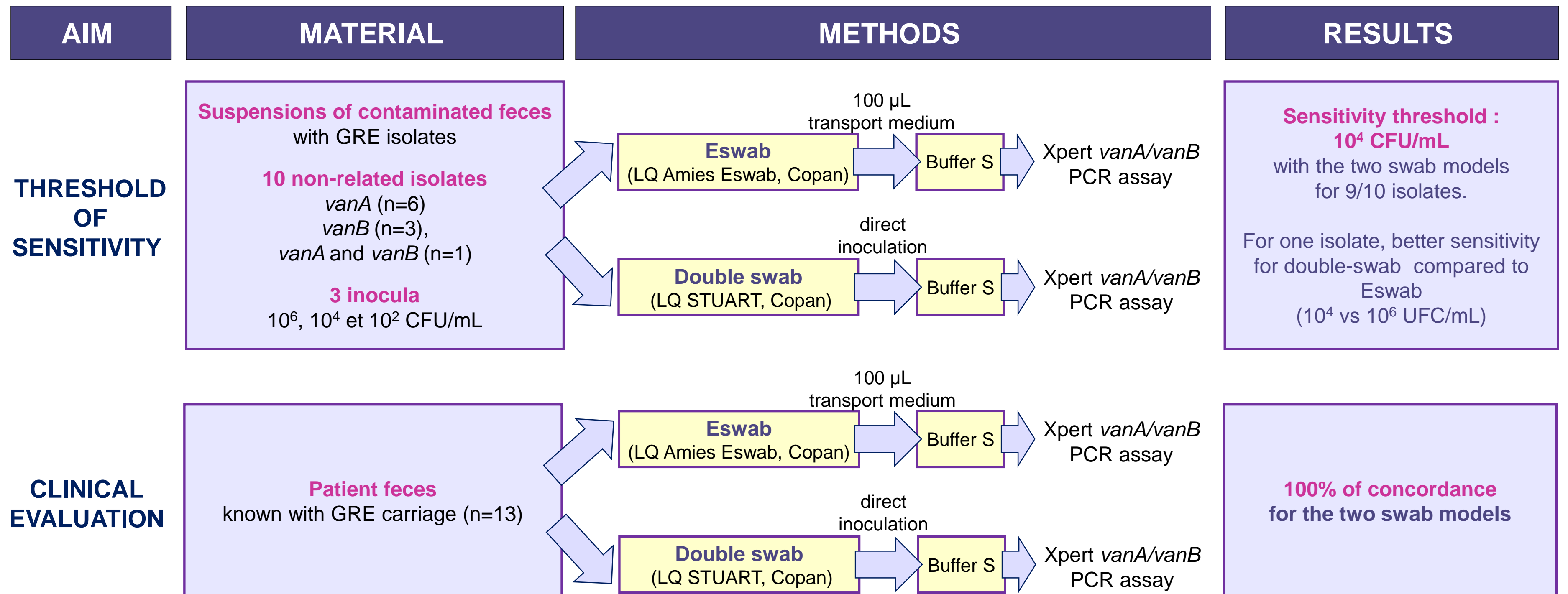
IMPACT OF SWAB MODEL ON XPERT® *vanA/vanB* PCR ASSAY PERFORMANCES

S. Rasoanandrasana¹, L. Raskine¹, JW. Decousser², C. Domrane², V. Fihman², H. Jacquier¹, E. Cambau¹

(1) Service de Bactériologie-Virologie, Hôpital Lariboisière, Paris, France

(2) Unité de Bactériologie-Hygiène, département de microbiologie, Hôpital Henri Mondor, Créteil

Prevention of dissemination of glycopeptide-resistant enterococci (GRE) is a major task in infection control. The Xpert *vanA/vanB* PCR assay (Cepheid) has excellent performance in screening for rectal carriage of GRE. It requires the use of a double-swab (LQ STUART, Copan) incompatible with our clinical microbiology laboratory work-flow. In our laboratory, we routinely use swabs coupled with a transport medium (Amies Eswab LQ, Copan). Their use in detecting GRE by PCR Xpert *vanA/vanB* has never been evaluated. In this study, we compared how the two types of swabs impacts the performance of the Xpert PCR.



CONCLUSIONS

The results show **marginal difference in the performance of the Xpert *vanA/vanB* assay**. They confirm the possibility to use of the Eswab in routine without major impact on clinical results. This approach is of particular interest as it enables us the concomitant search of GRE and carbapenemase-producing enterobacteria from the same swab.