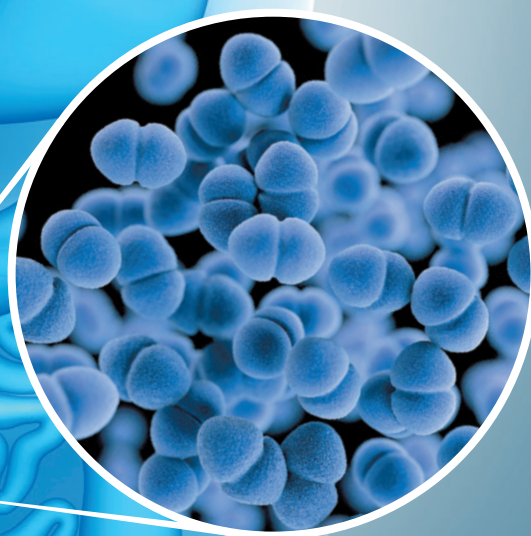


STATONAT[®]

LAB

Vancomycin-Resistant *Enterococcus*

Lyophilized Real-Time PCR mix
for the detection of VRE



SENTINEL
DIAGNOSTICS

Vancomycin-Resistant *Enterococcus*



Patent No. W02010133628 A1

Lyophilized Real-Time PCR mix for the detection of VRE

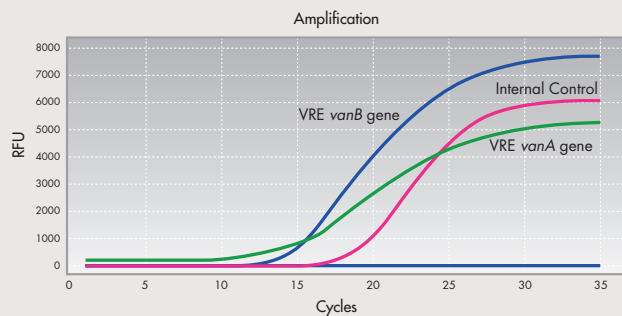
Enterococci are opportunistic bacteria emerged as major cause of nosocomial infections worldwide. The extensive antibiotic treatments has caused Enterococcal strains such as *E. faecium* or *E. faecalis* to become resistant to glycopeptide antibiotics (Vancomycin and Teicoplanin). Acquired resistance to antibiotics is mostly due to two types of gene clusters, designed as *vanA* and *vanB*. A fast and effective identification of VRE is essential to prevent nosocomial transmission. VRE infections can occur anywhere in the body, some common sites include the intestines, the urinary tract and wounds.

STAT-NAT[®] VRE kit represents a rapid and sensitive system for *vanA* and *vanB* resistance genes detection.

STAT-NAT[®] VRE kit proved its effectiveness for the detection of *vanA* and *vanB* genes in VRE clinical samples. Its high-sensitivity and specificity, associated with the ready-to-use feature and room temperature storage, can easily improve the early and correct management of VRE-affected patients.

Benefits of the kit:

- Identification and differentiation of both *vanA* and *vanB* genes
- Ready to use kit including internal Control
- Results in less than 2 hours
- Optimal performances: high sensitivity and specificity



| STAT-NAT [®] VRE | |
|---|-----------------|
| Specificity | ≥95% |
| Analytical sensitivity (LoD) (<i>vanA</i> and <i>vanB</i>) | 10 cps/reaction |

| Ref. | Description | Kit size | Validated on |
|-------|---|----------|--|
| 1N040 | STAT-NAT [®] VRE. Lyophilized Real-Time PCR mix for the detection of VRE (Vancomycin-Resistant <i>Enterococcus</i>) | 24 tests | <ul style="list-style-type: none"> • CFX96 (Bio-Rad) • QS5 (ABI) |

| | | |
|---|--|--|
| <p>Room temperature storage STAT-NAT[®] is freeze-dried and guarantees long term storage at room temperature.</p> | <p>Easy STAT-NAT[®] contains all the reaction components. The enzyme (Hot Start Polymerase) is already included.</p> | <p>Universal STAT-NAT[®] technology yields very good performances in all the most diffused molecular biology techniques.</p> |
| <p>Performance improvement STAT-NAT[®] is a ready-to-use product that minimizes analytical variables.</p> | <p>Flexible STAT-NAT[®] can improve test sensitivity even with low concentrated DNA samples.</p> | <p>Environmentally sustainable STAT-NAT[®] needs neither cumbersome packaging nor temperature controlled shipment.</p> |

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