



Staphylococcus aureus Real Time PCR Kit *CE Marked

Product Categories: [Fabricante](#), [Humana](#), [Kit para Bacteria Patógena en alimentos](#), [Kit para Otras Infecciones Bacterianas](#), [Kit para Patógenos de Diarrea Infecciosa](#), [Liferiver](#), [PCR](#)

Product Page:

<http://vacunek.com/shop/manufacturer/liferiver/staphylococcus-aureus-real-time-pcr-kit-ce-marked/>

Product Summary

DD-0041

Product Description

1. Intended Use

Staphylococcus aureus real time PCR kit is used for the detection of Staphylococcus aureus in stool, sputum, C.S.F., urine, gargle, food or water samples by the real time PCR systems.

2. Product Description

Staphylococcus aureus is a major human pathogen that causes both nosocomial and community-acquired infections worldwide. Expression of most virulence factors is controlled by the accessory gene regulator (agr) locus. The agr locus regulates virulence factors such as Staphylococcal enterotoxins, toxic shock syndrome toxin-1 (tst), -toxin, -hemolysin and etc.

Staphylococcus aureus real time PCR kit contains a specific ready-to-use system for the detection of

Staphylococcus aureus by polymerase chain reaction (PCR) in the real-time PCR system. The master contains reagents and enzymes for the specific amplification of Staphylococcus aureus DNA.

Fluorescence is emitted and measured by the real time systems' optical unit during PCR. The detection

of amplified Staphylococcus aureus DNA fragment is performed in fluorimeter channel FAM with the

fluorescent quencher BHQ1. DNA extraction buffer is available in the kit and sputum sample are used

for DNA extraction. In addition, the kit contains a system to identify possible PCR inhibition by

measuring the HEX/VIC/JOE fluorescence of the internal control (IC). An external positive control

(1×10^7 copies/ml) is supplied allows the determination of the gene load. For further information, please

refer to section 9.3 Quantitation.