

Staphylococcus aureus

S. aureus is a major human pathogen, and causes many diseases such as food poisoning, impetigo, pneumonia and enteritis. *S. aureus* is known to produce many virulence factors such as enterotoxin, exfoliative toxin, TSST-1, leukocidin and hemolysin. Also, recently, it has been reported that this organism has various factors which resist against antibacterial factors derived from the host.

Generally, chemotherapeutic agents are used for bacterial infection. However, recent clinical *S. aureus* has multiple resistance to these agents. Especially, methicillin-resistant *S. aureus* (MRSA) causes serious problems as nosocomial infection. Vancomycin is very effective against MRSA infection. However, vancomycin intermediate (VISA) or resistant *S. aureus* (VRSA) has been emerged.

Versatile virulence factors in *S. aureus*

