

# Read the updated Infection Hygiene Assessment of Plus Sutures by the Danish CDC<sup>1</sup>

*This document provides a summary of the Danish CDC's assessment*

The Danish Center of Disease Control (CDC), also known as Statens Serum Institut, is a governmental public health and research organisation under the Danish Ministry of Health. Its main duty is to ensure preparedness against infectious diseases and biological threats. Within the Danish CDC, the Central Unit for Infection Hygiene (CEI) is responsible for assessing products and processes aimed at improving infection hygiene as well as for preparing National Infection Hygiene Guidelines.

For the full assessment (in Danish) visit ➡



## Conclusion from the assessment<sup>1</sup>

**Based on the information from the company, reports, international guidelines, recent RCT studies and meta-analyses, it can be concluded that:**

- Triclosan has an antibacterial effect against especially staphylococci and E. coli. Since the last assessment from 2010, more recent RCT studies and meta-analyses within a range of surgical specialties have showed significantly fewer Surgical Site Infections (SSIs) when using these sutures compared to regular sutures without triclosan.
- International guidelines for the prevention of SSIs, including the NICE guideline from 2021<sup>2</sup>, recommend the use of triclosan-coated sutures as part of a general "Bundle of Care" to prevent SSIs.
- Concentrations of triclosan in triclosan-coated sutures for human use are very small and therefore do not pose any health risk for the individual patient.
- Triclosan used in sutures does not constitute an environmental burden, as concentrations in wastewater are very small.

## The assessment was based on extensive clinical evidence



**38** RCT studies

**17** Meta-analyses

**30** Other clinical studies



**The majority of these studies are not funded by suture manufacturers, and they show that there is a significant reduction in SSIs around 30%<sup>2</sup> when triclosan-coated sutures are used compared to regular sutures without triclosan.**

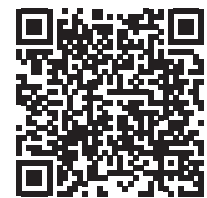
### References:

(1) Statens Serum Institut Central Enhed for Infektionshygiejne (CEI). Opdateret infektionshygiejnisk vurdering af Plus Suturer. November 2022.

[https://hygiejne.ssi.dk/-/media/arkiv/subsites/infektionshygiejne/vurderinger-og-ydelser/vurderinger/anden-vurdering/plus\\_suturer\\_november\\_2022.pdf](https://hygiejne.ssi.dk/-/media/arkiv/subsites/infektionshygiejne/vurderinger-og-ydelser/vurderinger/anden-vurdering/plus_suturer_november_2022.pdf)

(2) National Institute for Health and Care Excellence. (2021) Plus Sutures for preventing surgical site infection. Medical technologies guidance [MTG59] <https://www.nice.org.uk/guidance/MTG59>

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