

Ethicon have the first and only sutures with Antibacterial Protection recommended for use in the NHS by NICE Medical Technologies guidance*¹



Nearly 30% reduction in the risk of surgical site infection¹



Potential environmental benefits to the NHS¹



Cost-saving by an average of £13.62 saving per patient¹



MONOCRYL™ Plus reduces suture colonization by common SSI pathogens by 99% up to 99.99% as compared to non-antimicrobial sutures^{§††}



[Try our Interactive Tool](#)

[Implement Plus Sutures](#)

*As of August 2021. †Tested in a 2-0 MONOCRYL™ Plus suture.

†Log Reduction - Staphylococcus aureus 3.69, Staphylococcus epidermidis 1.84, MRSA 3.10, MRSE 4.92, Escherichia coli 4.54, Klebsiella pneumonia 3.64 - Log Reduction 1 = 90% reduction, Log Reduction 2 = 99% reduction, Log Reduction 3 = 99.9% reduction, Log Reduction 4 = 99.99% reduction. ‡The study was executed following protocol 100883589 and 100207824 Test Method for Bacterial Attachment rev 1. Based on a two-sample t-test, efficacy was demonstrated for Staphylococcus aureus (p-value 0.000), Staphylococcus epidermidis (p-value 0.000), MRSA (p-value 0.000), Escherichia coli (p-value 0.000), and Klebsiella pneumoniae (p-value 0.000) using 10% Trypticase Soy Broth (TSB). Efficacy was not observed for MRSE using the same conditions (10% TSB). MRSE is a slow growing bacterium and the recovery from control sutures was in the range of 3.5-4.24 log CFUs, which is 1-2 logs lower than other challenge bacteria, suggesting the media used (10% TSB) may not be suitable for this slow growing bacterium. It was thought that increasing concentration of TSB from 10- 50% would provide additional nutrients and hence support robust growth of the bacterium. The study was repeated with inoculum prepared in 50% TSB and results are reported (p-value 0.000). 1 © NICE 2021. MEDICAL TECHNOLOGY GUIDANCE:

ETHICON

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