



# Set the standard in infection prevention and control

with unique antimicrobial coating



## On average, one in every ten patients worldwide is affected by a healthcare-associated infection (HAI)<sup>1</sup>

Infection prevention and control play a vital role in any hospital environment, particularly in intensive care, pediatric units, and emergency rooms, where infections present a life-threatening risk to your patients.

HAIs increase length of hospital stay, mortality rates, and costs. An average patient with a HAI costs the health system \$52,000 – compared to \$9,400 for a patient with no HAI, an increase of \$43,000.00.<sup>2</sup>



As a healthcare provider, you are responsible for preventing HAIs and for full compliance in the field of infection control.

In ICUs in high-income countries, up to 30% of patients are affected by at least one HAI. This number increases to up to 90% in low- and middle-income countries. Among hospital-born babies, infections are responsible for up to 56% of all causes of death in the neonatal period.<sup>1</sup>

Siemens Healthineers feature a unique antimicrobial coating based on metal oxide that supports your department's efforts to increase quality in infection prevention and control.

- Effective against various microorganisms
- Works regardless of resistances against antibiotics (incl. MRSA, VRE, ESBL and legionellae)
- Long-lasting antimicrobial effect, unlike methods using silver or copper
- Non-toxic, with excellent biocompatibility and not based on nanoparticles

<sup>1</sup> WHO (2016): *Health care without avoidable infections: The critical role of infection prevention and control.*  
<sup>2</sup> Lucado J, Paez K, Andrews R, et al. (2010): *Adult Hospital Stays with Infections Due to Medical Care, 2007.*  
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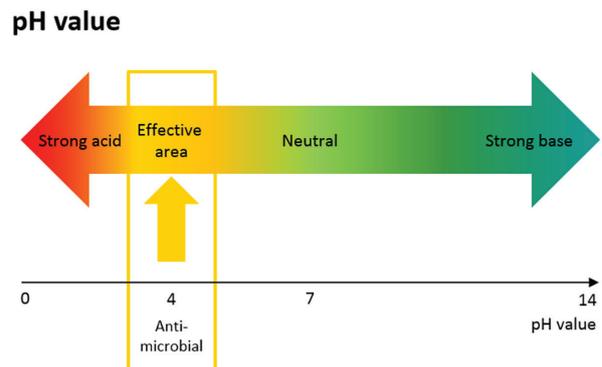
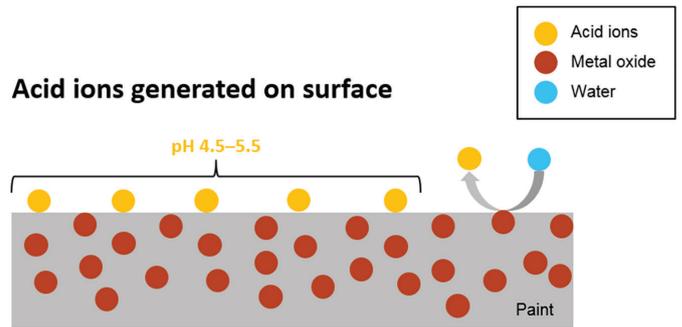
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## Antimicrobial coating at work

This technology is based on the addition of a small amount of metal oxide within the system coating or paint.

When activated - simply by water - this metal oxide reacts to release an acid ion, causing a drop in the pH level of the systems' outer surface.

With a new acidic pH level of 4 or 5, the coating is now similar to the protective acidic mantle of the human skin, effective against various microorganisms.



## Siemens Healthineers offer the most comprehensive portfolio featuring antimicrobial coating

**Mobilett Elara MAX** -  
your mobile imaging companion



**Cios Family** -  
your partners in performance



**ARTIS icono** -  
an icon of innovation



**ARTIS pheno** -  
as individual as your patients

