

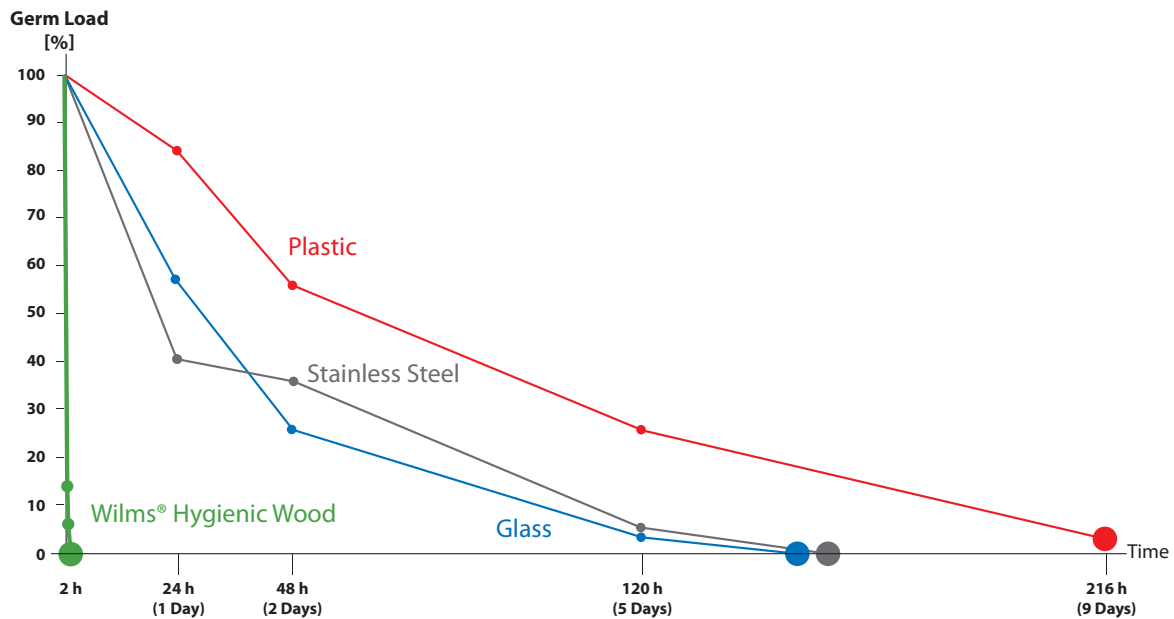
# Germ reduction by Wilms® Hygienic Wood compared to other materials

## Objectives

What are the antibacterial properties of Wilms® Hygienic Wood compared to other materials such as glass, stainless steel and plastic?

## Approach

The test materials were each infected with  $1 \times 10^6$  cfu / cm<sup>2</sup> (total number of bacteria live per sq. cm) of the E.coli bacterium. The development of bacterial populations was over a period of nine days, and is seen in the following chart.



Germ load on Wilms® Hygienic Wood, glass, stainless steel and plastic \*

## Result

Particularly significant is the rapid destruction (2 hours) of all micro-organisms by Wilms® Hygienic Wood, while the other materials still had bacteria after 120 hours (polyethylene after 216 hours).

## Conclusion

On Wilms® Hygienic Wood bacteria are reduced significantly faster than on glass, stainless steel and plastic.



## Implementation

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\* Data: Schönwälder, Annett (2001), S. 66; Graphical composition: Fa. Wilms GmbH

