



# EN 17430: Virucidal hygienic hand disinfection

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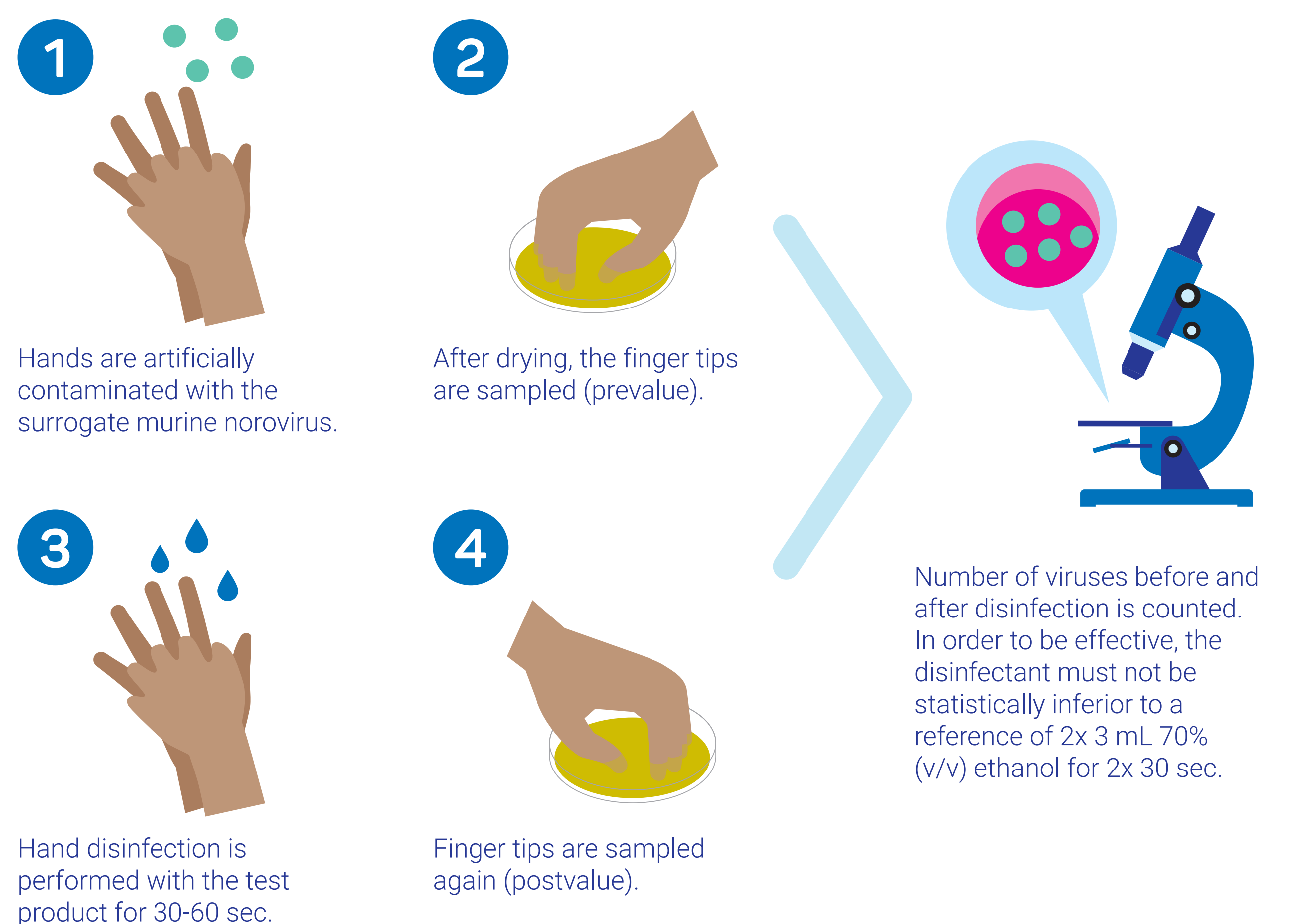
## Introduction

Hygienic hand disinfection is the most important measure for preventing healthcare-associated infections and, thus, the proven reduction of microorganisms on the hands is essential for clinical practice. With EN 1500, a practical test for hygienic hand disinfection has existed since 1998. However, efficacy tests in accordance with EN 1500 only include bactericidal efficacy. A practical test for efficacy against other microorganisms did not previously exist.

In May 2024, the new standard EN 17430 for virucidal hygienic hand disinfection (phase 2, step 2) was published. As a manufacturer of hand disinfectants, BODE Chemie GmbH, a company of the HARTMANN GROUP, has already carried out efficacy tests in accordance with prEN 17430:2022-09 in an accredited laboratory. The efficacy of all tested products has been successfully proven.

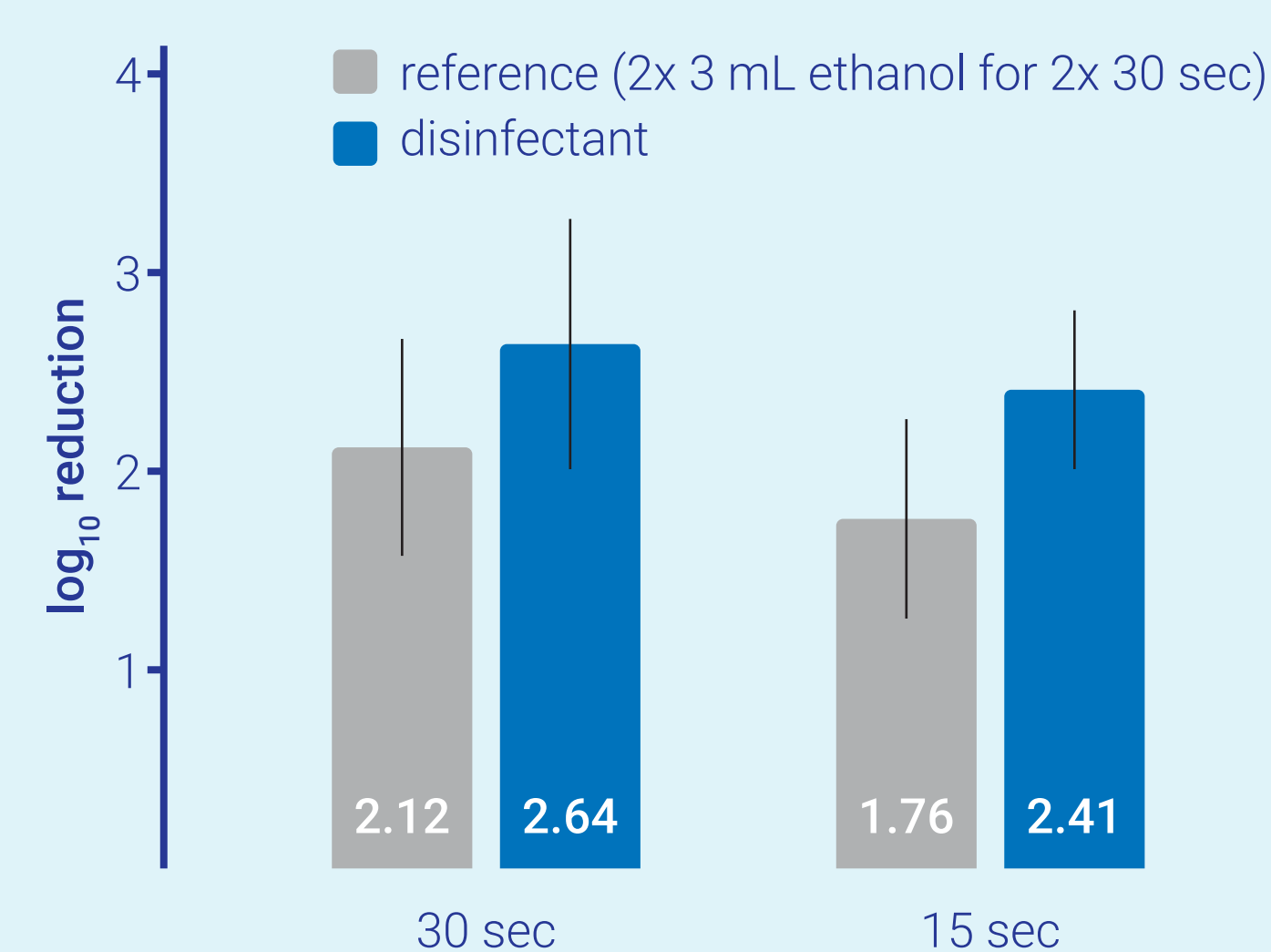
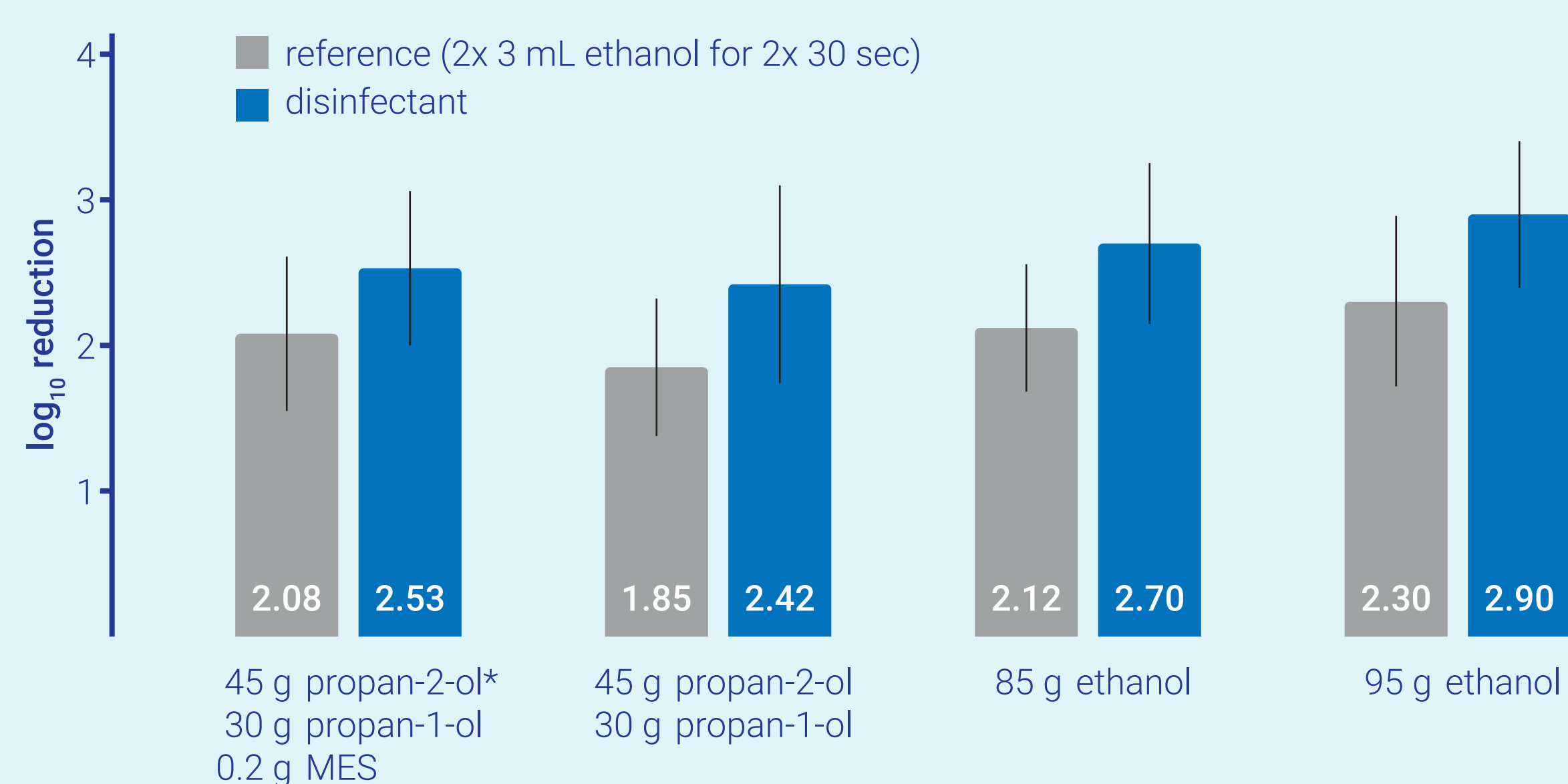
## Methods

EN 17430  
Virucidal hygienic hand disinfection  
Phase 2, Step 2



## Results

All tested products were sufficiently effective against murine norovirus with 3 mL in 30 seconds. The observed reductions were significantly higher than with the reference (70% v/v ethanol). Hand disinfectants based on propanols also showed a sufficient  $\log_{10}$  reduction and were not inferior to the reference.



Based on the results from tests according to EN 14476, 3 mL of a hand disinfectant (85 g ethanol) were tested for 30 and for 15 seconds. Even within this short rub-in time, the disinfectant was superior to the reference, which was used for 60 seconds.

\* all quantities based on 100 g

## Conclusion

The efficacy test for virucidal hygienic hand disinfection is another relevant step towards more patient safety. With the presented tests, we confirmed the sufficient reduction in the viral load on hands through our products and made a valuable contribution to infection protection.

## Claim overview

EN 14476

suspension test  
phase 2, step 1

EN 17430

virucidal hygienic hand disinfection  
phase 2, step 2

Virucidal activity against  
enveloped viruses

Vacciniavirus

✗

Limited spectrum  
virucidal activity

Adenovirus, murine  
norovirus

✓

Virucidal activity

Poliovirus, adenovirus,  
murine norovirus

✓



Research for  
infection protection  
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