

## PROTOCOL: VAH RING TRIAL 2023 – 01

### TEST DESIGN:

Quantitative suspension test (phase 2, step 1) for the evaluation of bactericidal activity in the medical area under clean conditions against *Staphylococcus aureus* according to DIN EN 13727:2015.

### 1. Methods:

Each laboratory will perform the test according to DIN EN 13727: 2015.

### 2. Test organism:

Test organism	Strain	Incubation temperature / time
<i>Staphylococcus aureus</i>	ATCC 6538/ DSM 799	37 °C / 48 h

3. **Interfering substance:** Bovine albumin fraction V – clean conditions (0.3 g/L).

### 4. Test product:

Product	Storage
Product A	room temperature, protected from light

This test product will be provided to all participating laboratories. All tests should be done with this provided test substance only.

### 5. Neutralizer: EN 17727:2015 Annex B for aldehydes

Polysorbate 80	30.0 g/L
Lecithine	3.0 g/L
Glycine	1.0 g/L ad 1000 mL distilled water.

The pH of the neutralizer may be adjusted to pH  $7.2 \pm 0.2$  with sodium hydroxide (NaOH) 1 mol/l or with hydrochloric acid (HCl) 1 mol/l. The used neutralizer must show valid controls, otherwise please contact us.

**6. Diluent:** Tryptone sodium chloride (EN 17727:2015 Annex B)

Trypton	1.0	g/L
Sodium chloride	9.0	g/L ad 1000 mL distilled water.

**7. Culture media:** Trypton-Soya-Agar (TSA).

**8. Concentration-Time-Relation:**

Method	Product	Concentration (v/v)	Exposure time	Runs*
DIN EN 13727: 2015	Product A			3 x
* Three independent test repetitions				

Prepare the test solution strictly according to the supplied “Guide for preparation of test solution” (see Annex A) without variations.

**9. Number of tests:**

The participants are requested to perform the test design three times. The results from the test and additional information should be recorded in the provided input sheet.

**!** Please document strictly the actual counted numbers of each dilution step. If the number of counted colonies is higher than the upper limit of enumeration (> 660) please carry out sufficient dilution steps in neutralizer (for example up to  $10^{-4}$  dilutions). Results with an approximate value (< or >) are not accepted.

**10. Time frame:**

The ring trial should start in may 2023 and should be finished latest in july 2023.

**11. Results:**

The results should be sent to [vah-ringtrial@ukbonn.de](mailto:vah-ringtrial@ukbonn.de) in electronic format before July 24<sup>th</sup>, 2023.

**12. Contact:**

For any questions please contact Kira Roesch ([vah-ringtrial@ukbonn.de](mailto:vah-ringtrial@ukbonn.de). Or [kira-marie.roesch@ukbonn.de](mailto:kira-marie.roesch@ukbonn.de)).

**13. Additional information:**

A summary of results will be provided to participating laboratories and VAH disinfectant commission. Furthermore the results will be discussed in WG1 of CEN TC 216.

## Time frame in overview

### VAH ring trial 2023 – 01

<b>Registration deadline</b>	5 <sup>th</sup> Mai 2023
<b>Shipping of product</b>	17 <sup>th</sup> Mai 2023
<b>Ring trial (investigations &amp; evaluation)</b>	23 <sup>th</sup> Mai 2023 – 21 <sup>th</sup> July 2023
<b>Transmitting of results</b>	24 <sup>th</sup> July 2023
<b>Inquiries or comments</b>	<a href="mailto:vah-ringtrial@ukbonn.de">vah-ringtrial@ukbonn.de</a>