

## **Supporting Information:**

### **Nitric Oxide-Releasing Lock Solution for the Prevention of Catheter-Related Infection and Thrombosis**

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## Supplementary Tables

**Table S1. Calculated P Values for NO Release Over Time (Figure 1 C).**

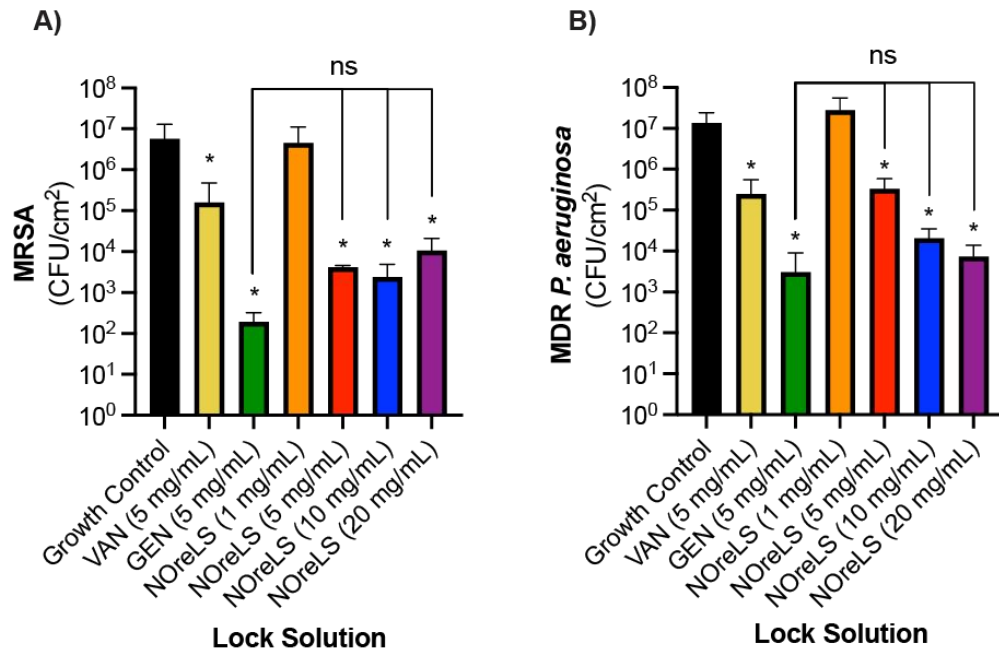
Comparison	NOrLS (1 mg/mL)	NOrLS (5 mg/mL)	NOrLS (10 mg/mL)	NOrLS (20 mg/mL)
0 h vs. 12 h	0.9999	0.8573	<0.0001	<0.0001
0 h vs. 24 h	0.9998	0.1219	<0.0001	<0.0001
0 h vs. 36 h	0.9999	0.02	<0.0001	<0.0001
0 h vs. 48 h	>0.9999	0.0197	<0.0001	<0.0001
12 h vs. 24 h	>0.9999	0.5919	0.2755	0.0001
12 h vs. 36 h	>0.9999	0.1884	0.0052	<0.0001
12 h vs. 48 h	>0.9999	0.1862	0.0015	<0.0001
24 h vs. 36 h	>0.9999	0.9375	0.4432	<0.0001
24 h vs. 48 h	>0.9999	0.9357	0.223	<0.0001
36 h vs. 48 h	>0.9999	>0.9999	0.9921	<0.0001

**Table S2. Calculated P Values for MRSA Time Kill (Figure 2 A).**

Comparison	2 h	8 h	24 h
Control vs. VAN	0.0062	<0.0001	<0.0001
Control vs. GEN	<0.0001	<0.0001	<0.0001
Control vs. NOrLS (1 mg/mL)	0.9954	0.9963	0.8742
Control vs. NOrLS (5 mg/mL)	0.3155	<0.0001	<0.0001
Control vs. NOrLS (10 mg/mL)	<0.0001	<0.0001	<0.0001
Control vs. NOrLS (20 mg/mL)	<0.0001	<0.0001	<0.0001

**Table S3. Calculated P Values for MDR *P. aeruginosa* Time Kill (Figure 2 B).**

Comparison	2 h	8 h	24 h
Control vs. VAN	<0.0001	<0.0001	<0.0001
Control vs. GEN	<0.0001	<0.0001	<0.0001
Control vs. NOrLS (1 mg/mL)	0.7219	0.9999	0.8326
Control vs. NOrLS (5 mg/mL)	0.0392	<0.0001	<0.0001
Control vs. NOrLS (10 mg/mL)	<0.0001	<0.0001	<0.0001
Control vs. NOrLS (20 mg/mL)	<0.0001	<0.0001	<0.0001



**Figure S1.** MRSA (A) and MDR *P. aeruginosa* (B) adherence to medical grade tubing after 24 h bacterial exposure and 2 h lock therapy. \* $p < 0.05$  compared to control; ns is not statistically significant. Data are shown as the mean  $\pm$  standard deviation.  $N = 6$ .