

**Table S1.** Overview of disinfection experiments. Sample size and groups are given for organisms and treatment methods applied (n.d., not determined). Embedment methods used: silicone, polyurethane foam and bovine ribs.

<b>Microbial species</b>	<b>Curette</b>	<b>Air abrasion</b>	<b>BDD treatment</b>
<b>Bacteria</b>			
<i>B. pumilus</i>	n.d.	n.d.	3 independent biological replicates for 3 embedment methods and 4 time points <sup>a)</sup> , respectively
<i>B. subtilis</i>	n.d.	n.d.	3 independent biological replicates for 3 embedment methods and 4 time points <sup>a)</sup> , respectively
<i>E. faecalis</i>	3 independent biological replicates for 3 embedment methods	3 independent biological replicates for 3 embedment methods	3 independent biological replicates for 3 embedment methods and 4 time points <sup>b)</sup> , respectively
<i>R. mucosa</i>	n.d.	n.d.	3 independent biological replicates for 3 embedment methods and 4 time points <sup>b)</sup> , respectively
<i>S. sanguinis</i>	n.d.	n.d.	3 independent biological replicates for 3 embedment methods and 3 time points <sup>b)</sup> , respectively
<i>S. epidermidis</i>	n.d.	n.d.	3 independent biological replicates for 3 embedment methods and 5 time points <sup>c)</sup> , respectively
<b>Yeasts</b>			
<i>C. albicans</i>	n.d.	n.d.	3 independent biological replicates for 3 embedment methods and 5 time points <sup>c)</sup> , respectively
<i>C. dubliniensis</i>	3 independent biological replicates for 3 embedment methods	3 independent biological replicates for 3 embedment methods	3 independent biological replicates for 3 embedment methods and 4 time points <sup>c)</sup> , respectively
<b>Mixture of microorganisms</b>			
Multi-species natural biofilm	3 independent biological replicates for 3 embedment methods	3 independent biological replicates for 3 embedment methods	3 independent biological replicates for 3 embedment methods and 4 time points <sup>b)</sup> , respectively

a) 0, 10, 20, 30, 60 min

b) 0, 5, 10, 15 min

c) 0, 5, 10, 15, 20 min