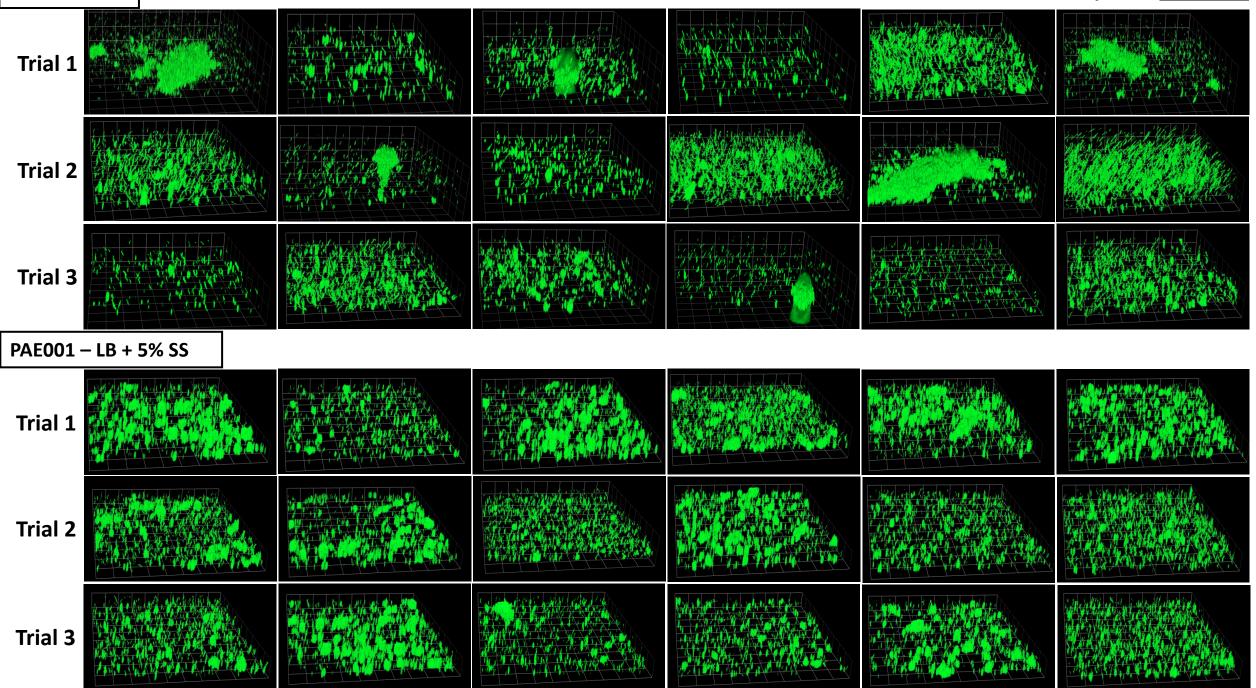
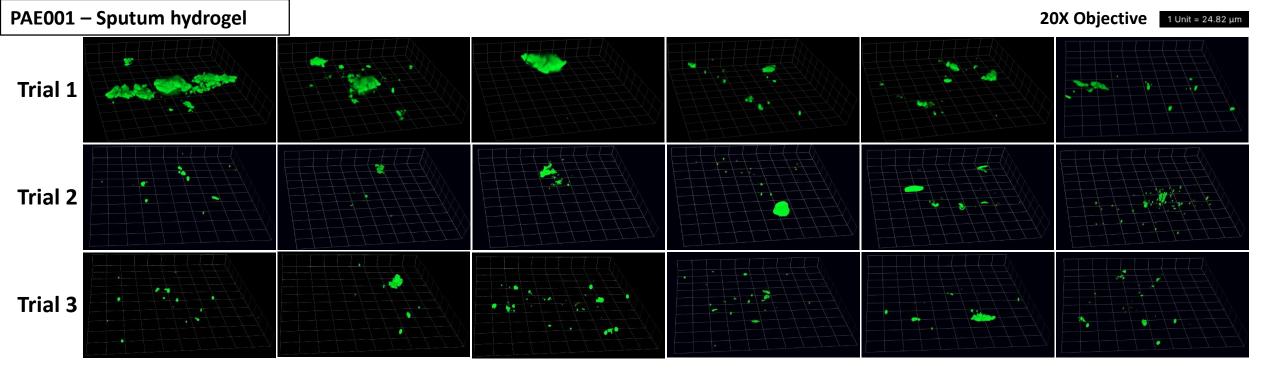
Supplementary Figure S1

CLSM representative images of the 11 sputum hydrogels and corresponding 11 PA isolates grown *in vitro* as biofilms in LB alone and LB with 5% sputum supernatant. The FISH PseaerA (green) probe and the SYTO9 (green) fluorescent nucleic acid stain were used to visualize PA in the sputum hydrogels and the chamber wells, respectively.

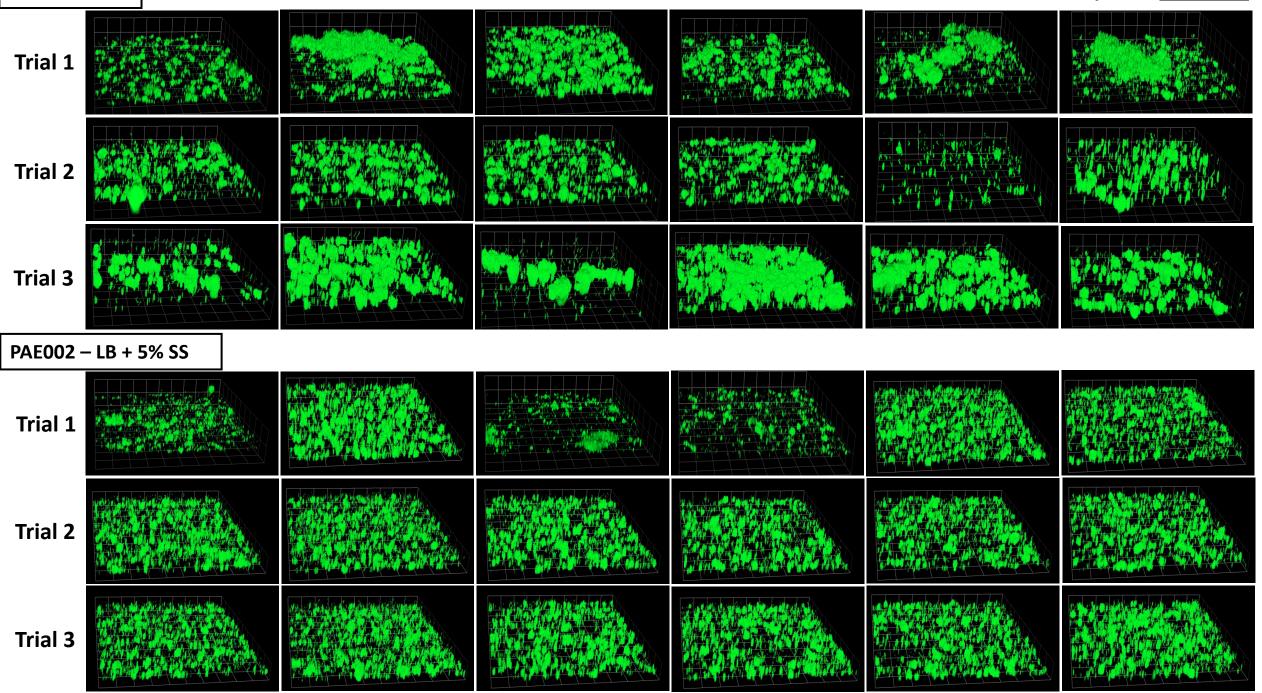
PAE001 – LB

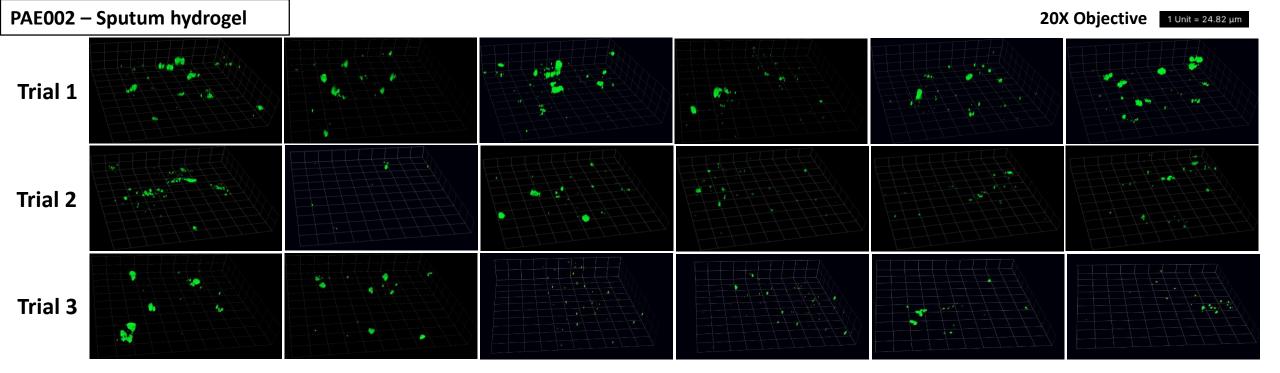




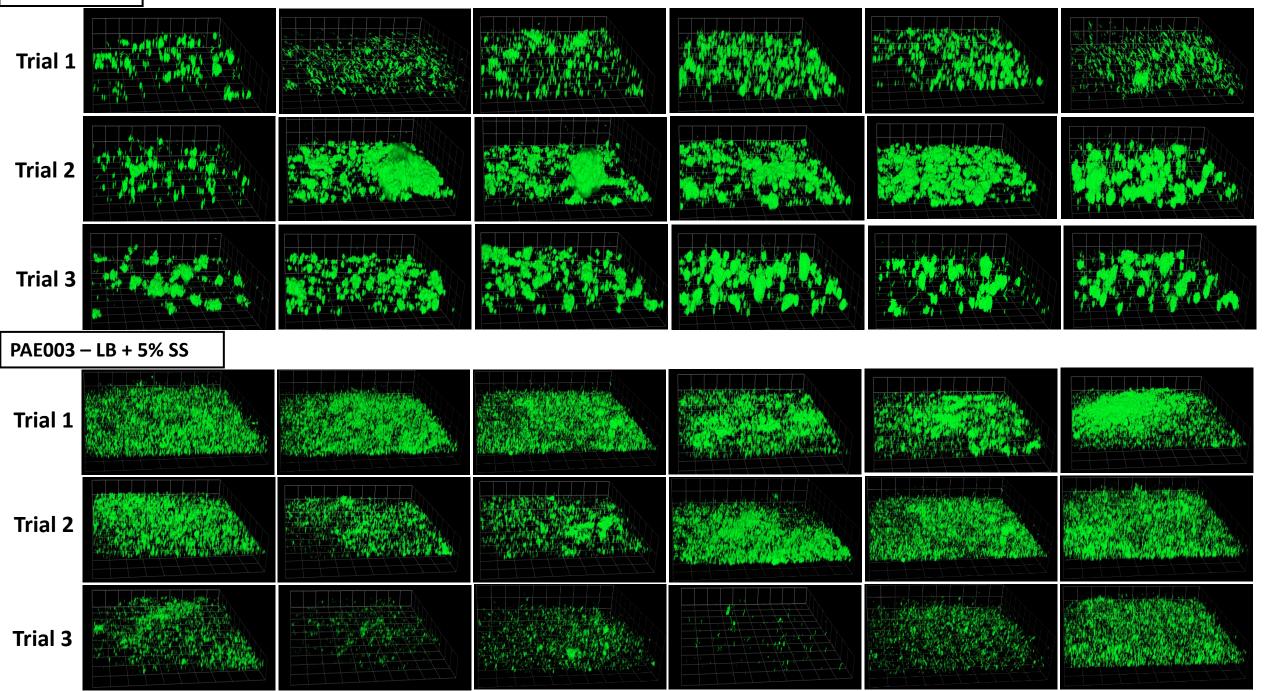
PAE002 – LB

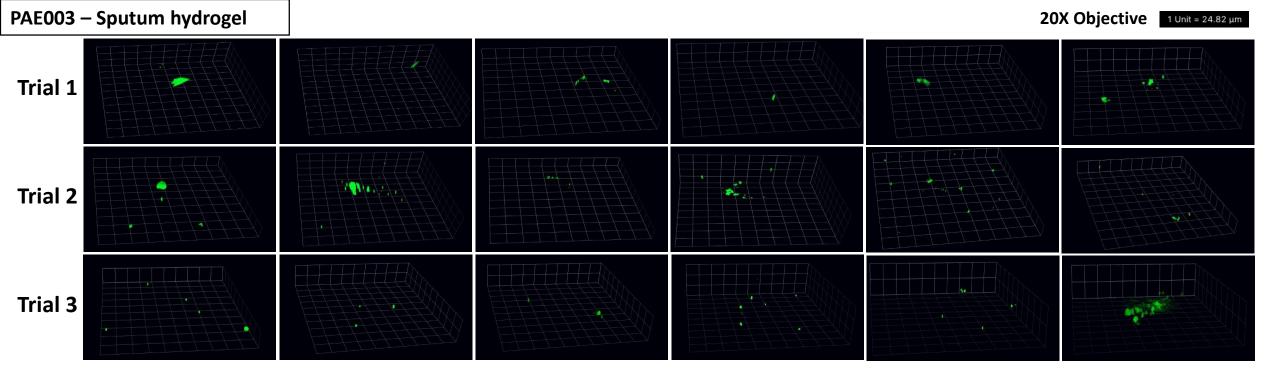
20X Objective 1 Unit = 24.82 μm



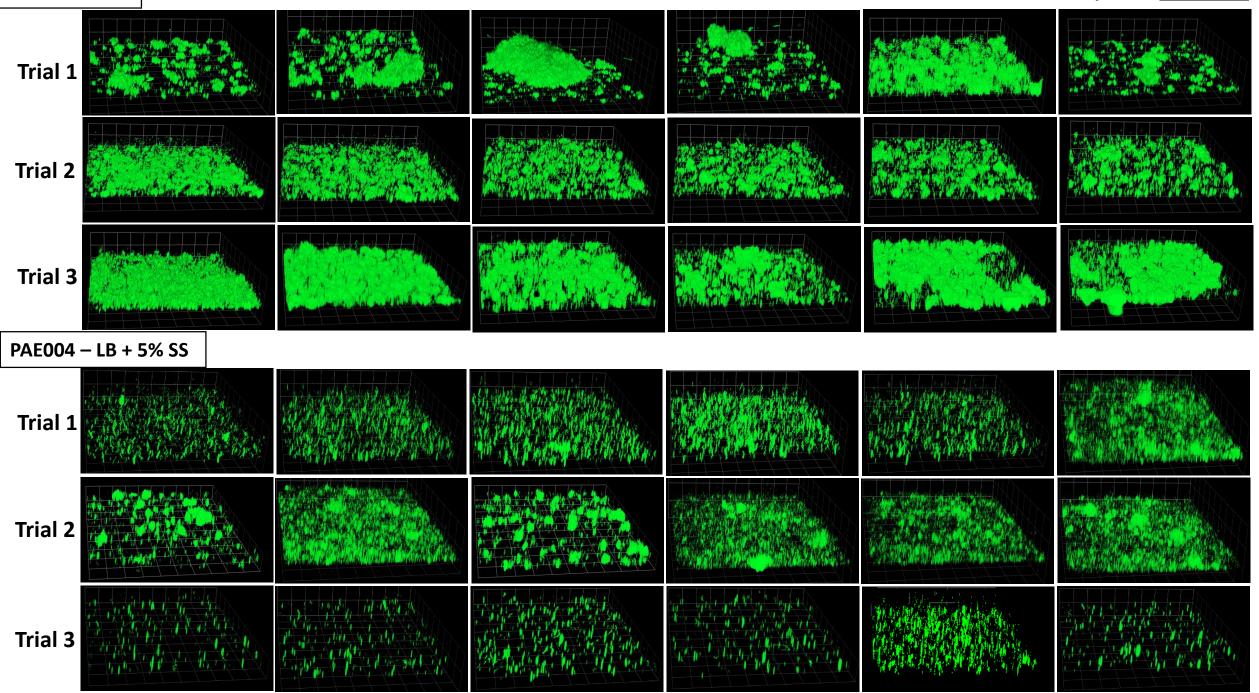


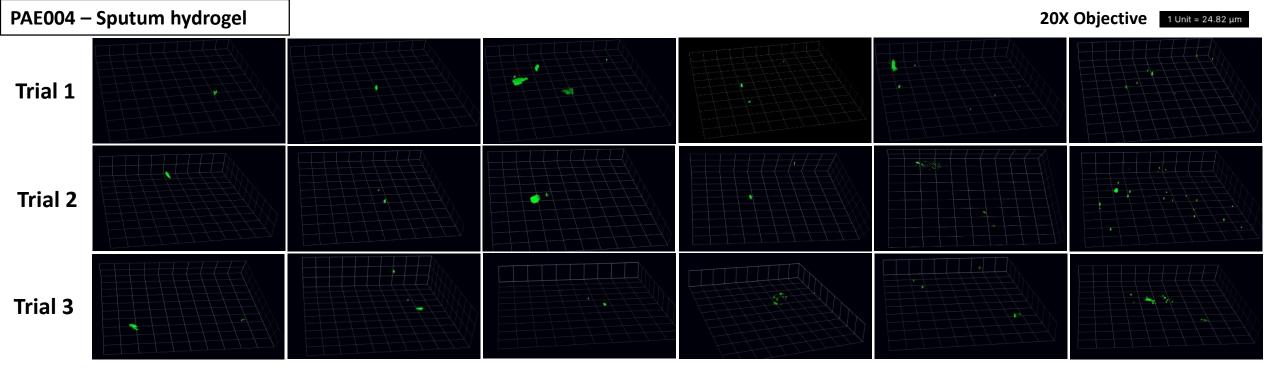


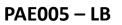


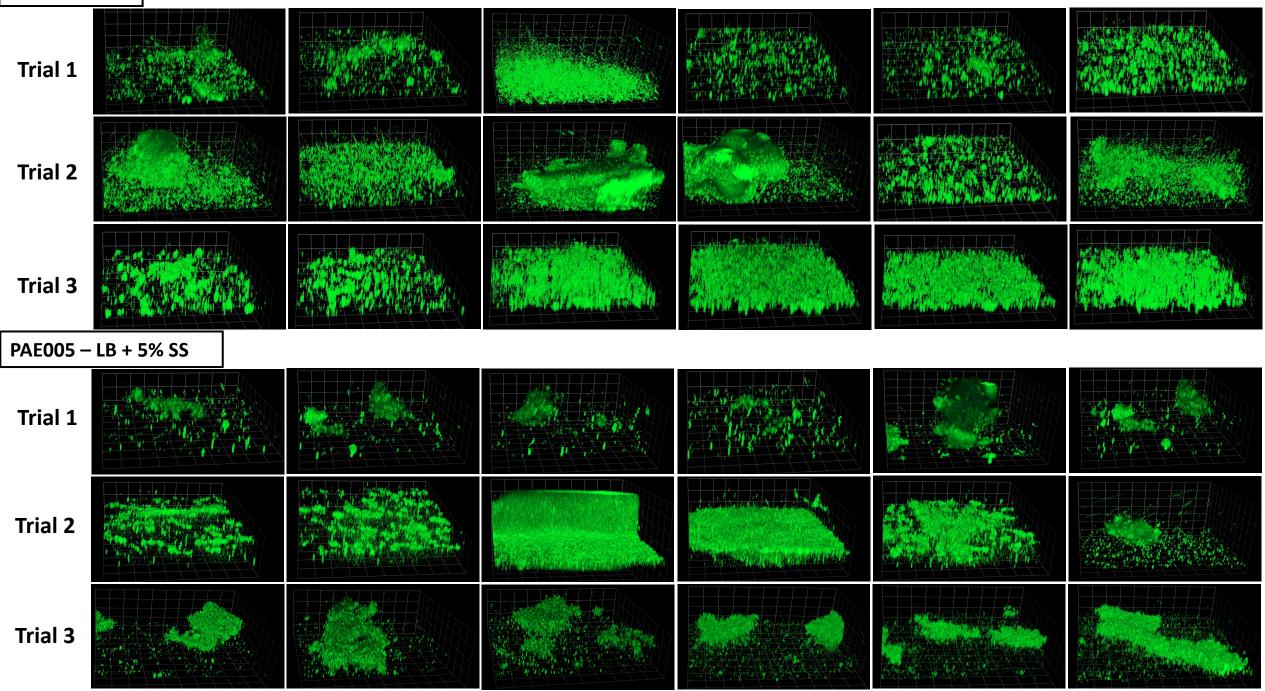


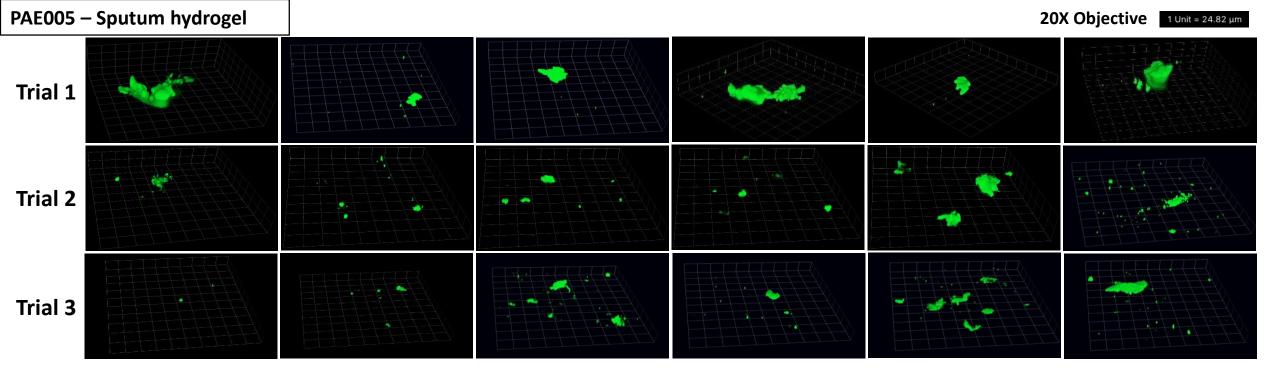
PAE004 – LB





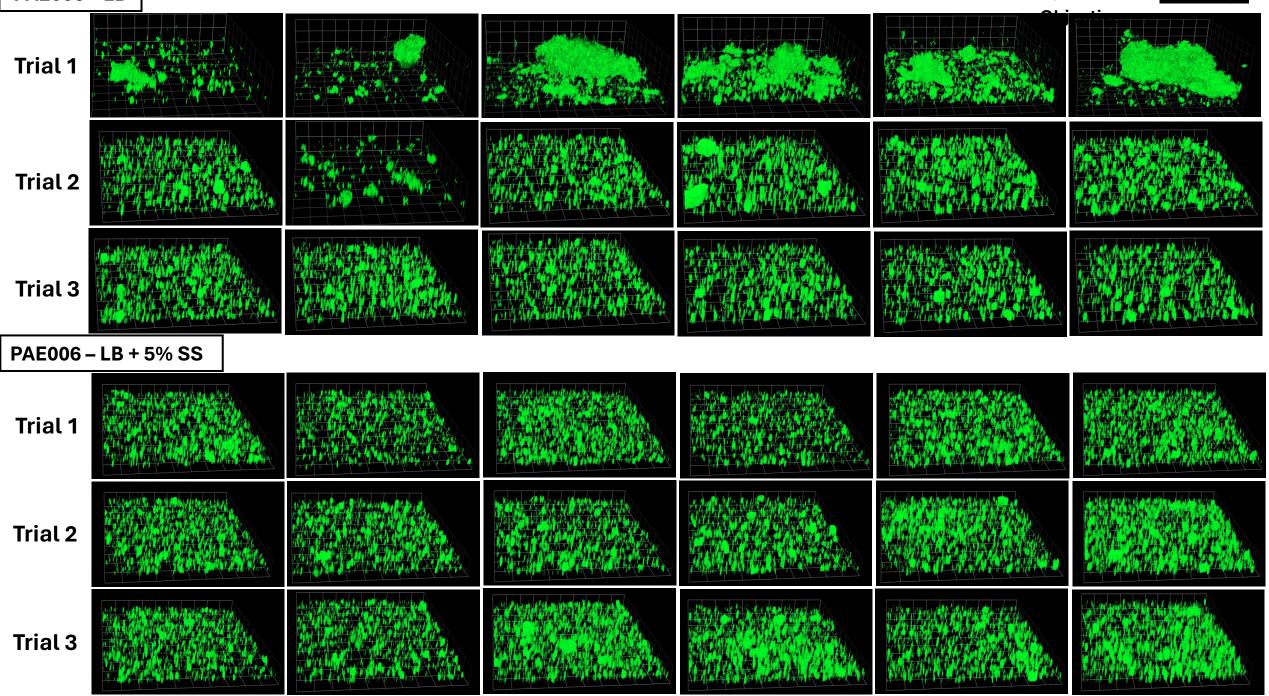


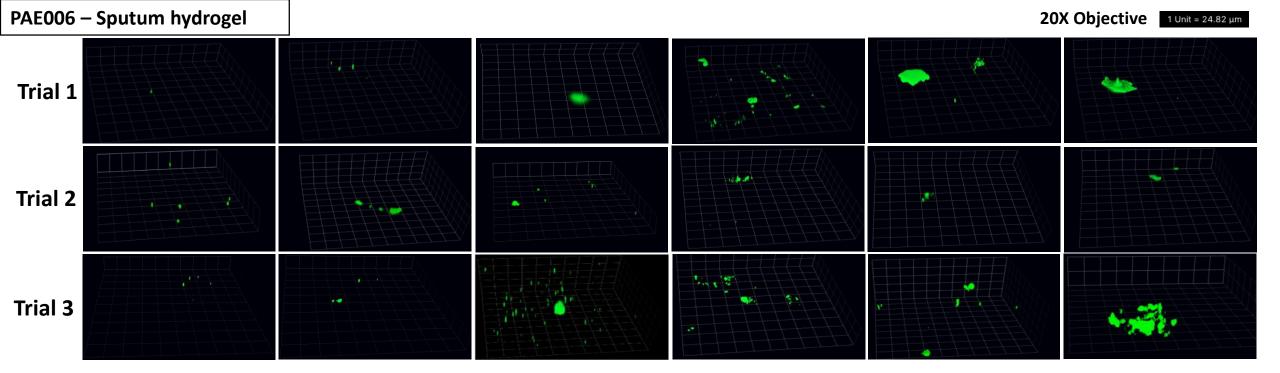




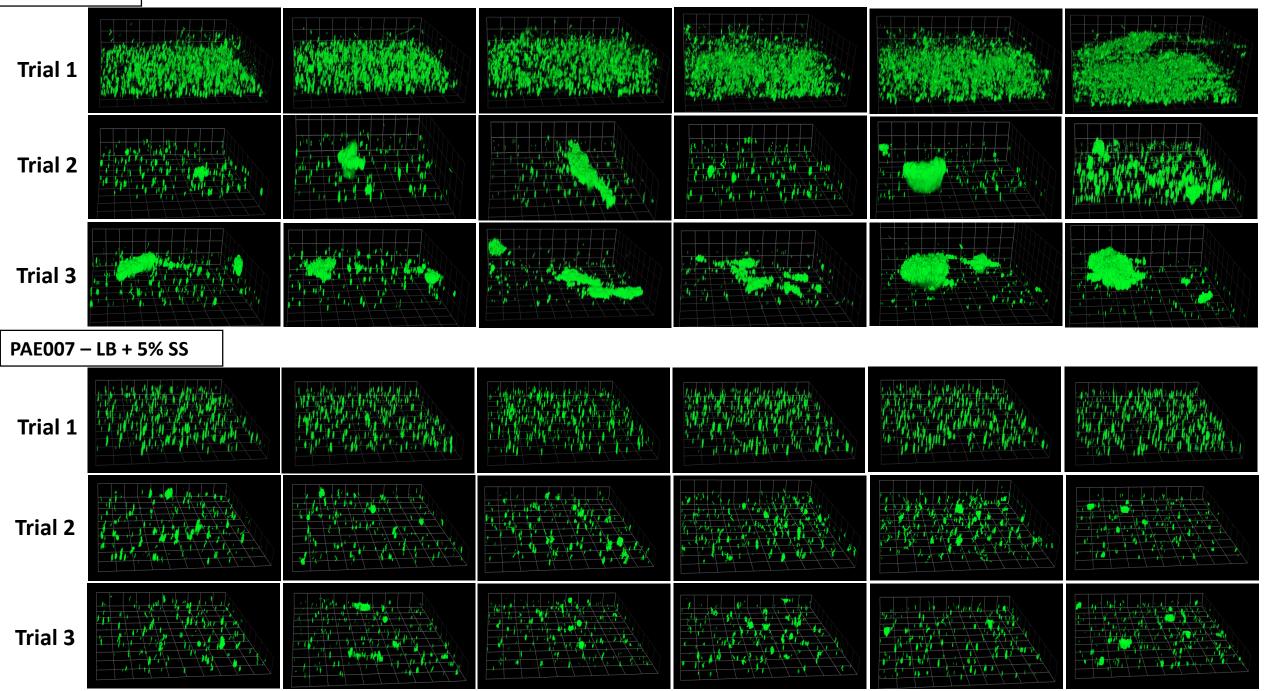


1 Unit = 24.82 µm





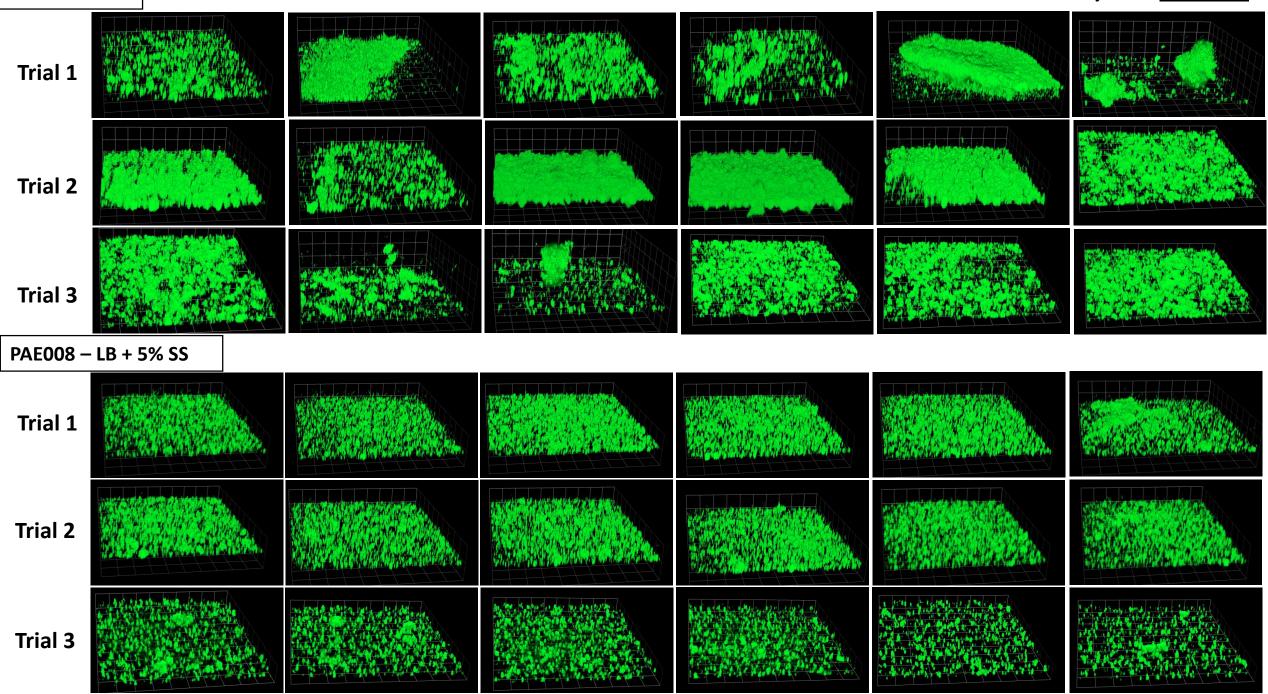


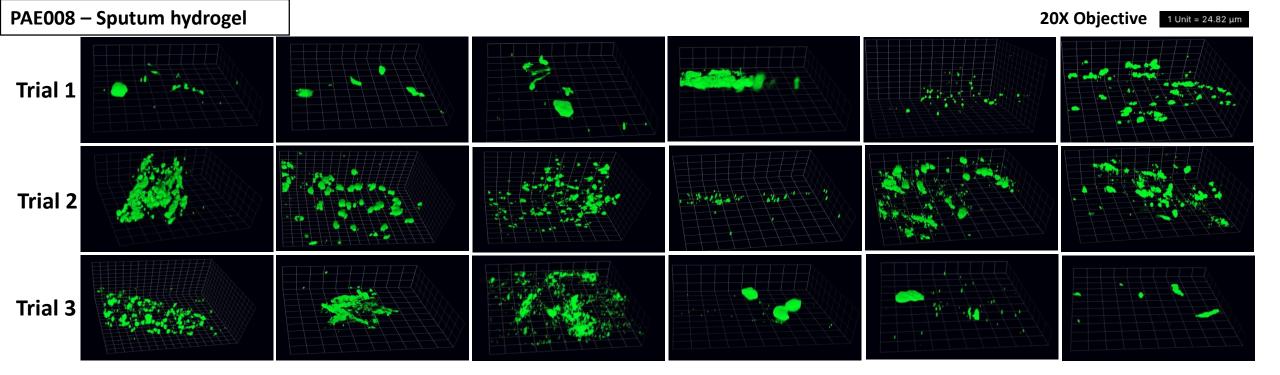


PAE007 – Sputum hydrogel		20X Objective 1 Unit = 24.82 µm				
Trial 1						· · · · · · · · · · · · · · · · · · ·
Trial 2						
Trial 3					* .	

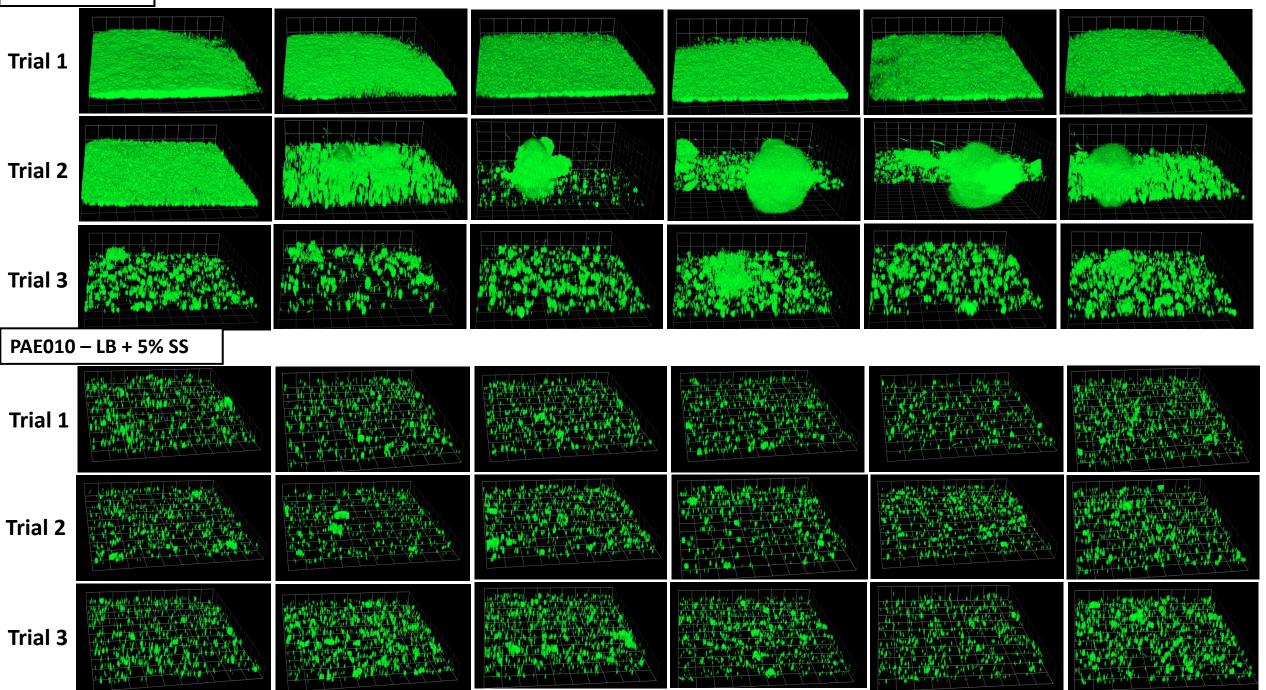
PAE008 – LB

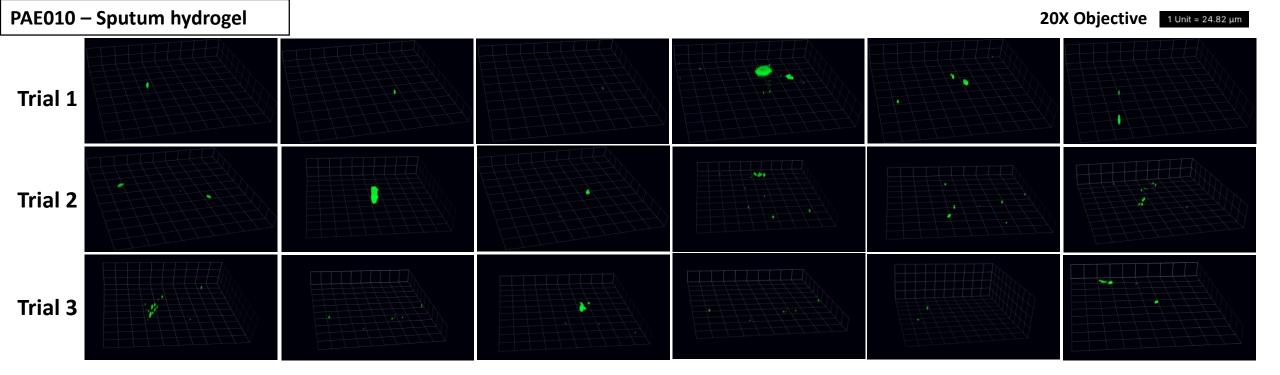
20X Objective 1 Unit = 24.82 μm



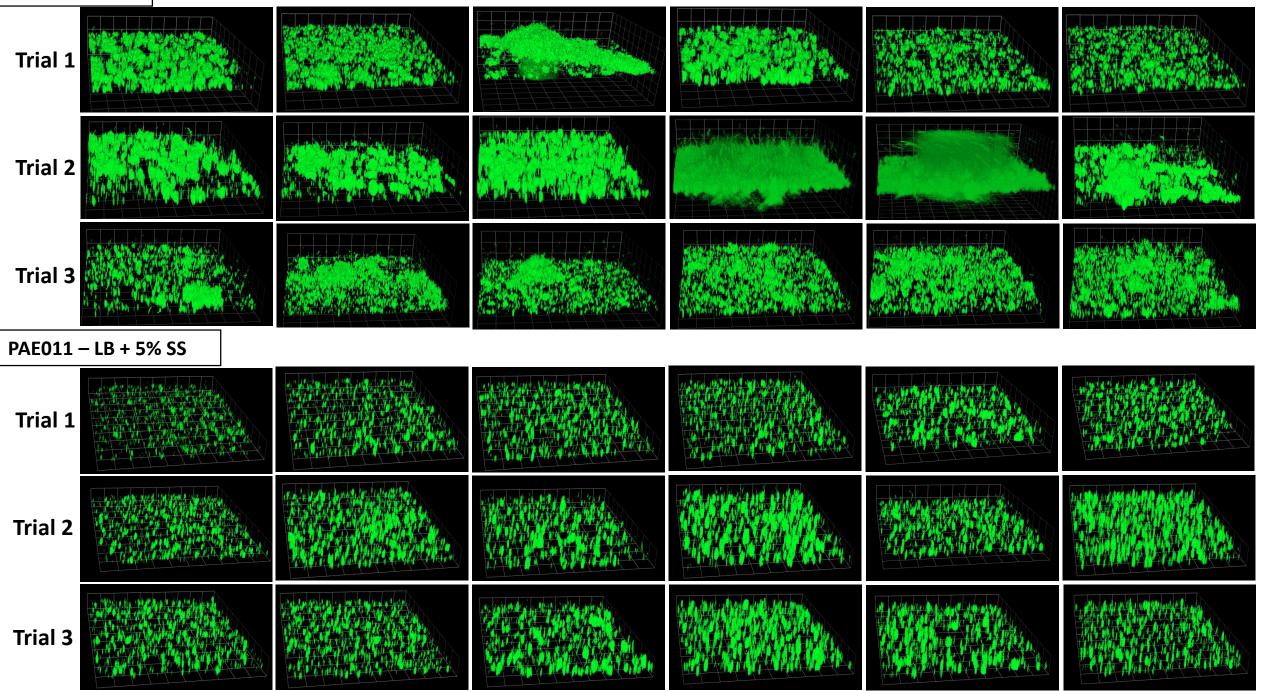


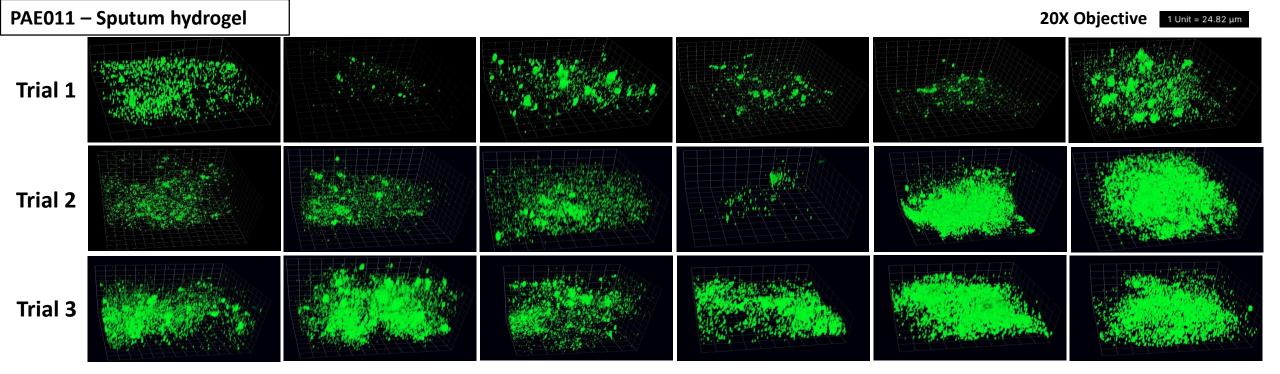






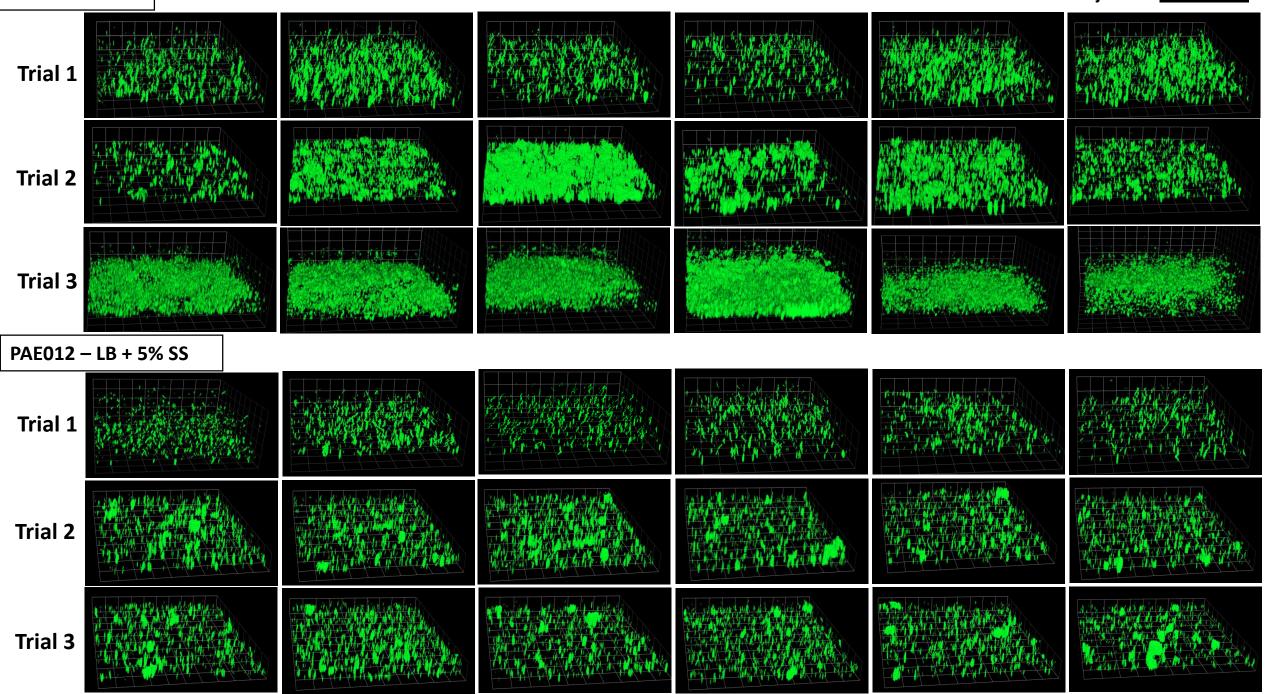


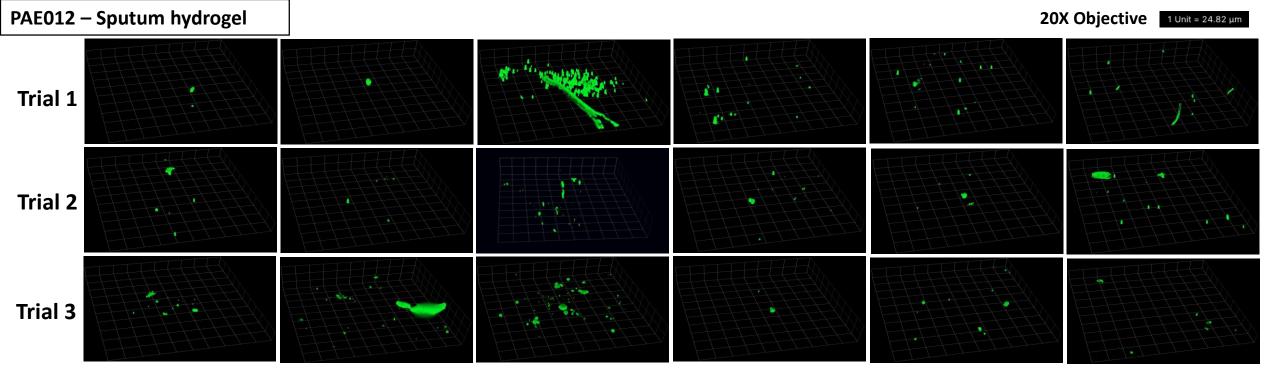




PAE012 – LB

20X Objective 1 Unit = 24.82 µm

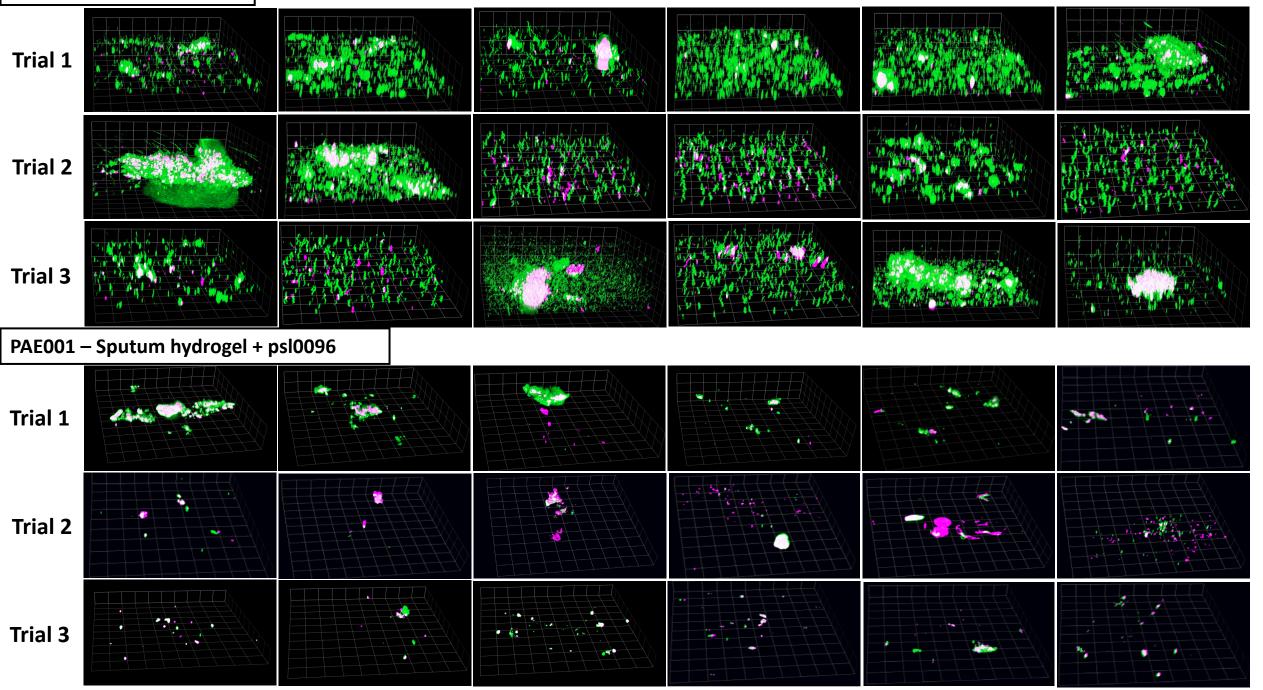




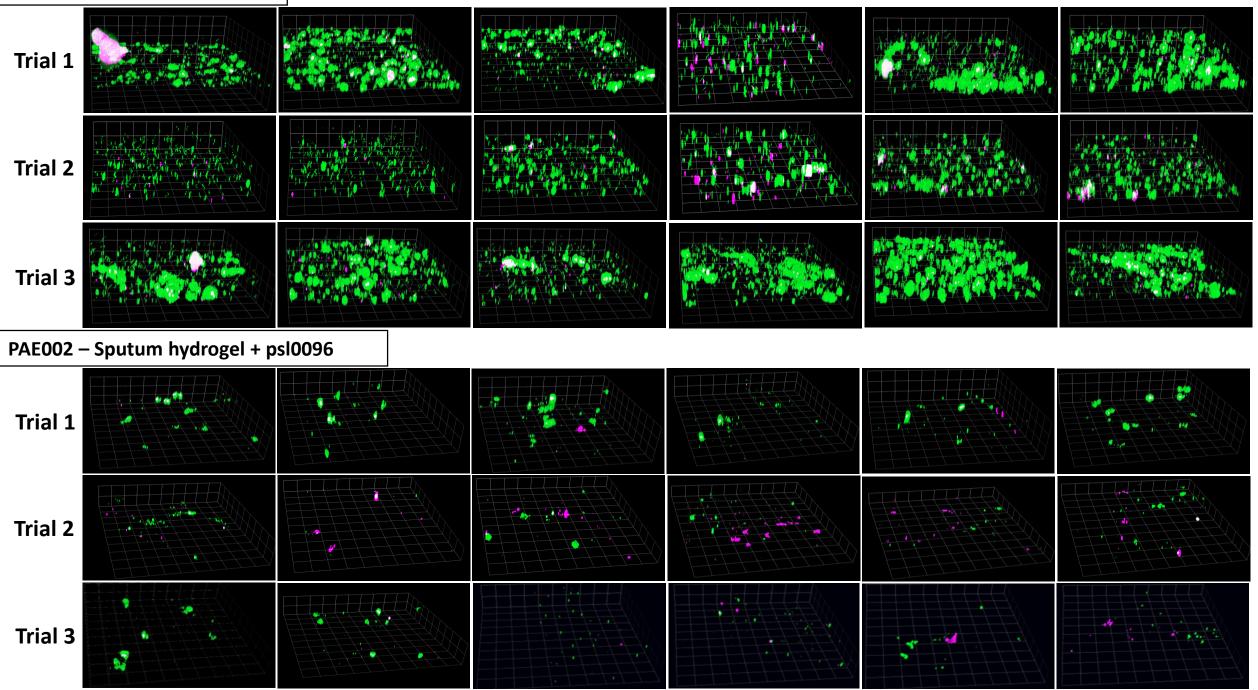
Supplementary Figure S2

CLSM representative images of the 11 sputum hydrogels and corresponding 11 PA isolates grown *in vitro* as biofilms in LB alone. The FISH PseaerA (green) probe and the SYTO9 (green) fluorescent nucleic acid stain were used to visualize PA in the sputum hydrogels and the chamber wells, respectively. The fluorescently labelled anti-PsI mAb, Psl0096 (magenta) was used to visualize PSI in both bioassays.



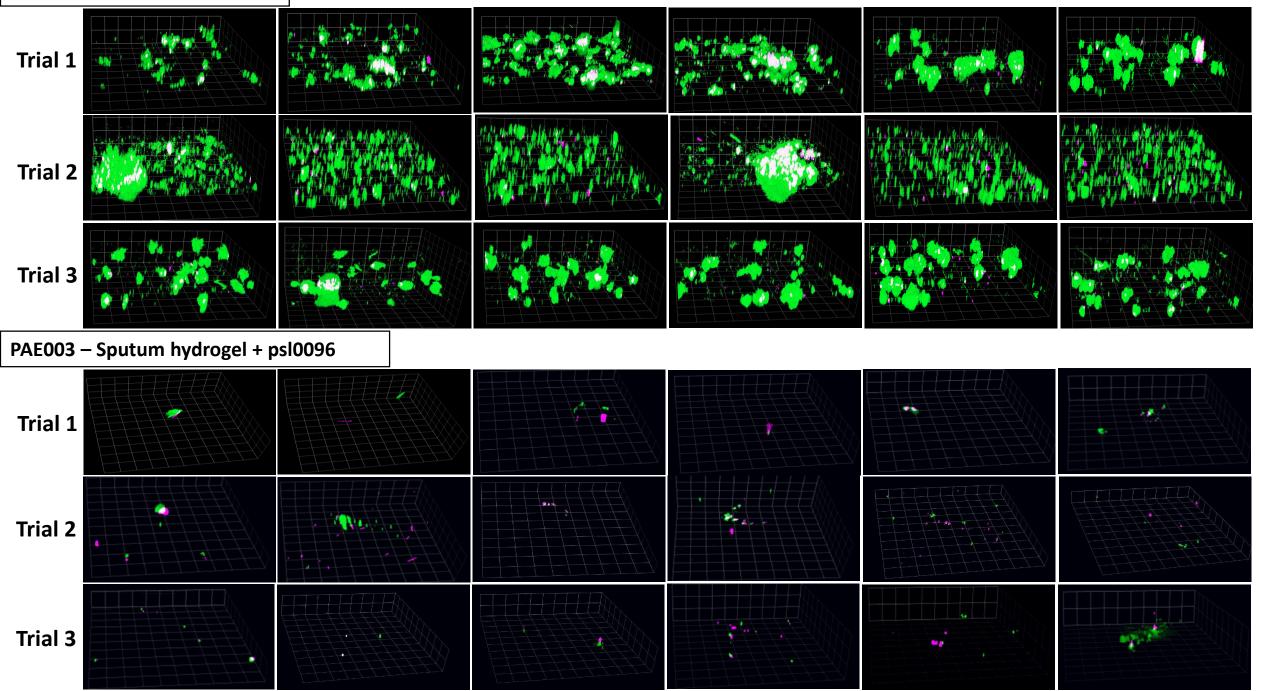




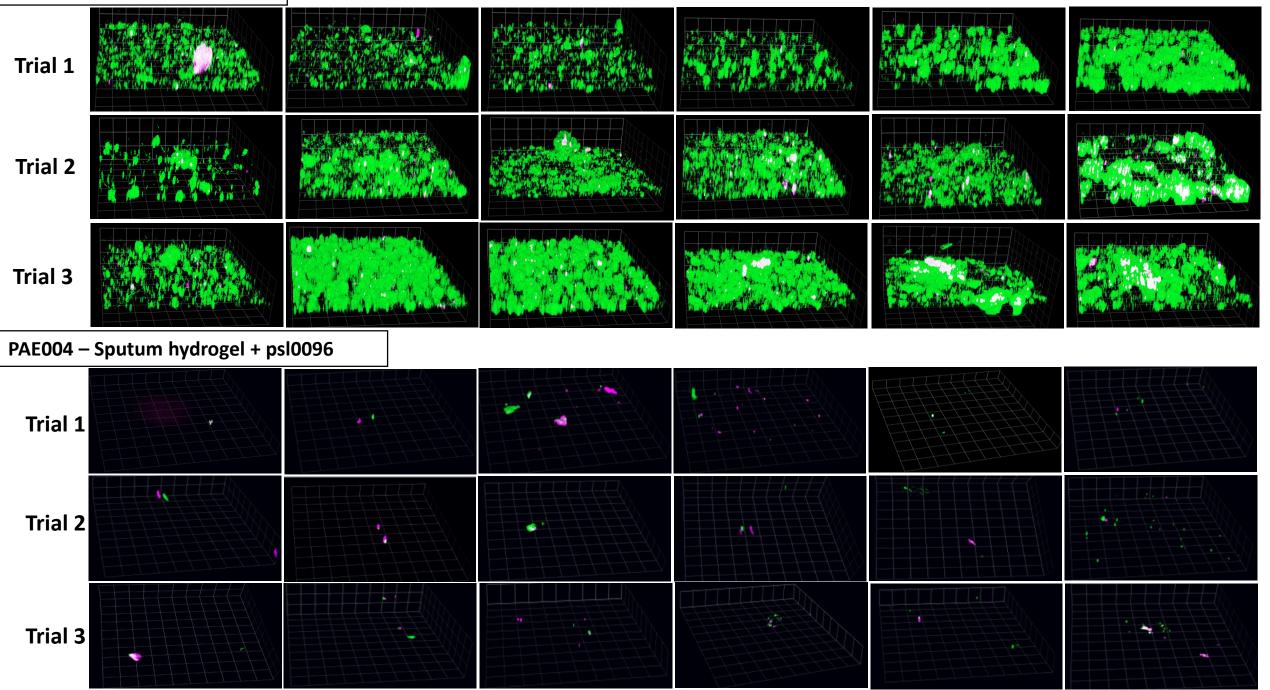


PAE003 – LB + psl0096

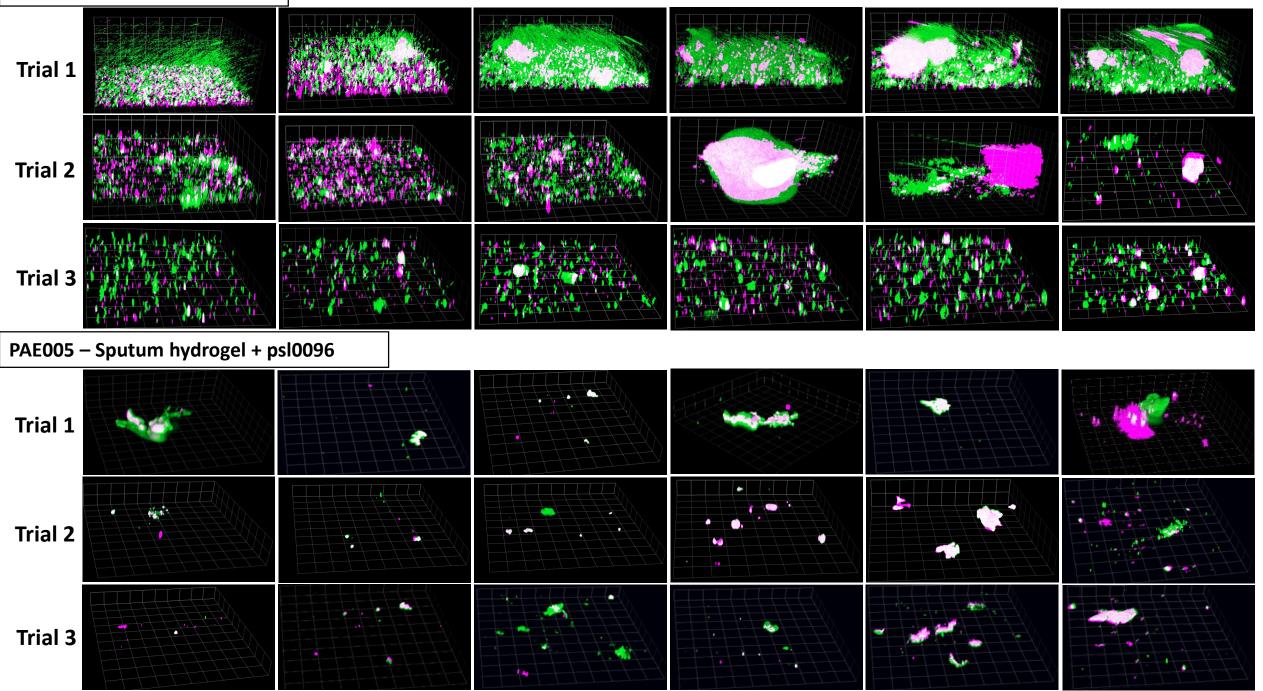
20X Objective 1 Unit = 24.82 µm

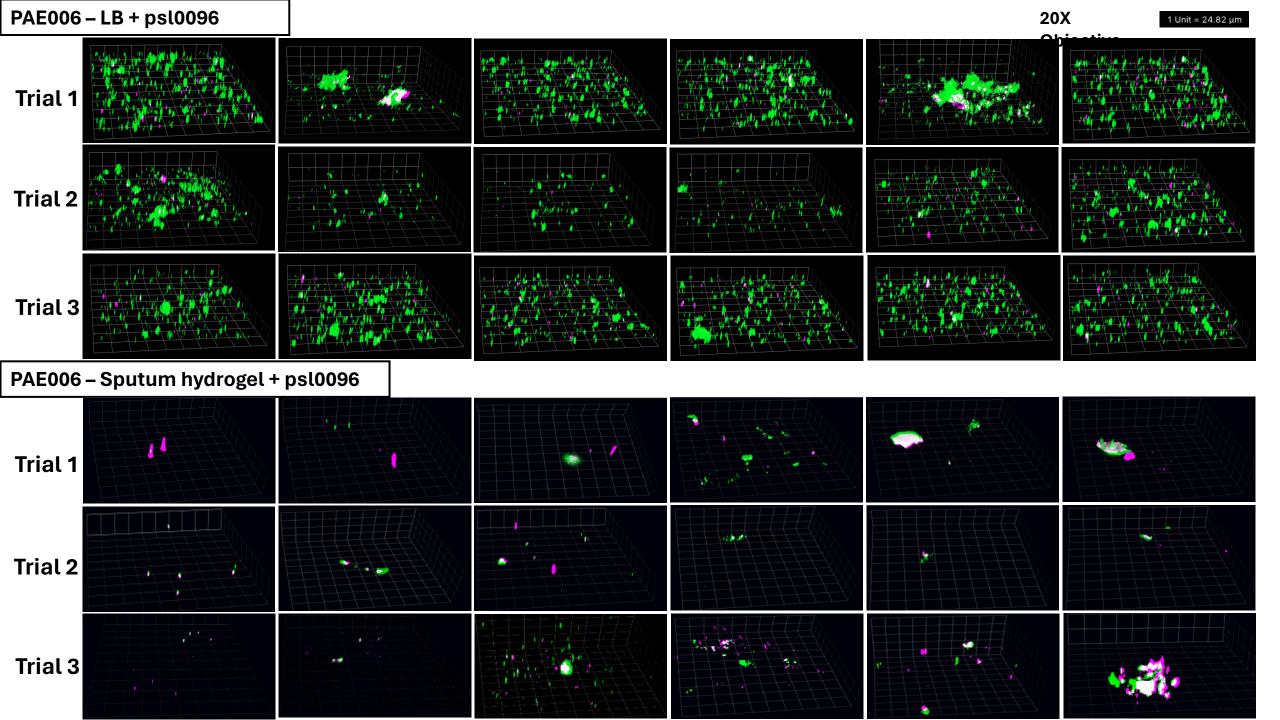


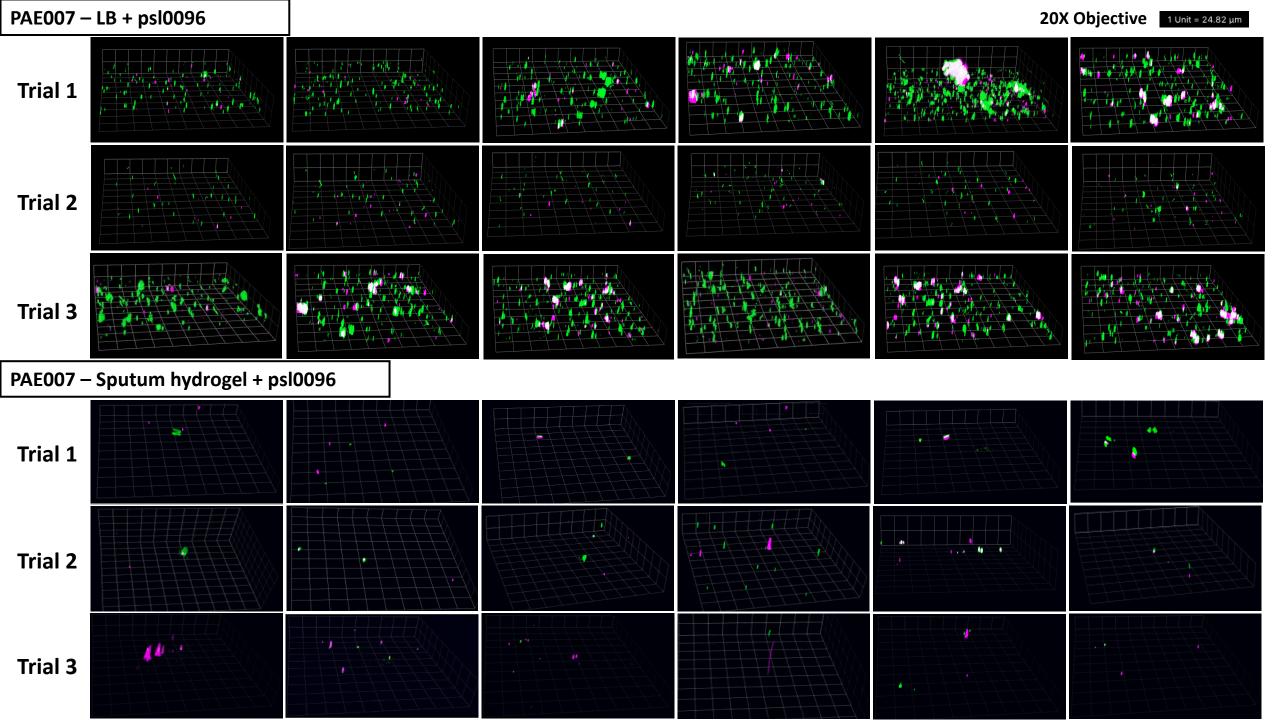












PAE008 – LB + psl0096

20X Objective 1 Unit = 24.82 μm

