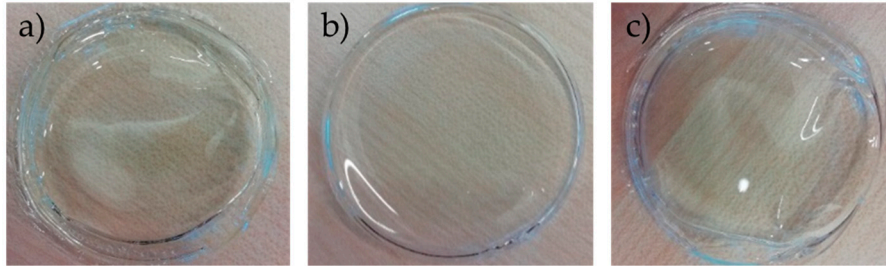
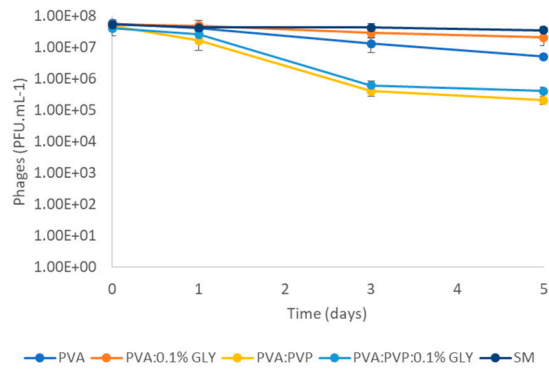


Supplementary material

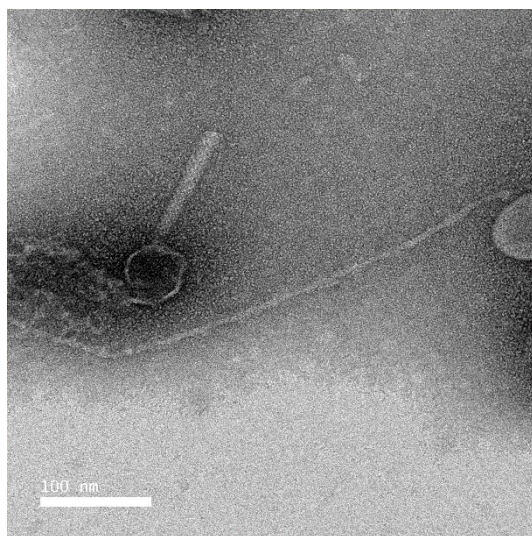
## Antibiofilm Efficacy of the *Pseudomonas aeruginosa* *Pbunavirus* vB\_PaeM-SMS29 Loaded onto Dissolving Polyvinyl Alcohol Microneedles



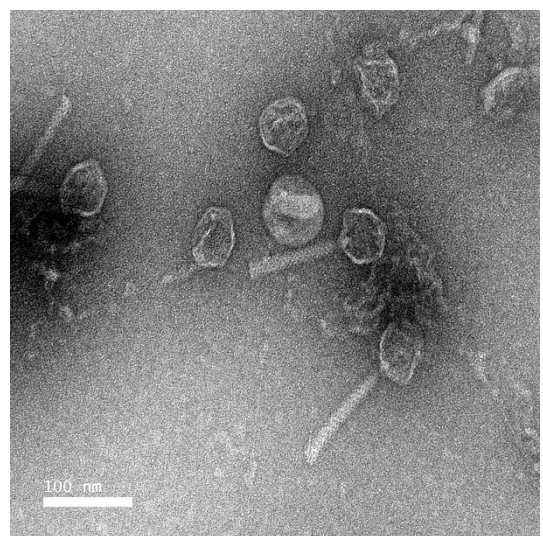
**Figure S1.** The physical appearance of the films formed after casting and drying. (a) 4-98, (b) 4-88, (c) 31,000–50,000.



**Figure S2.** Influence of polyvinyl alcohol (PVA), glycerol and polyvinyl pyrrolidone (PVP) on phage vB\_PaeM-SMS29 viability.



(a)



(b)

**Figure S3.** TEM micrographs of virion particles with empty capsids (a) and capsids without tails attached (b). Ruler is 100 nm.