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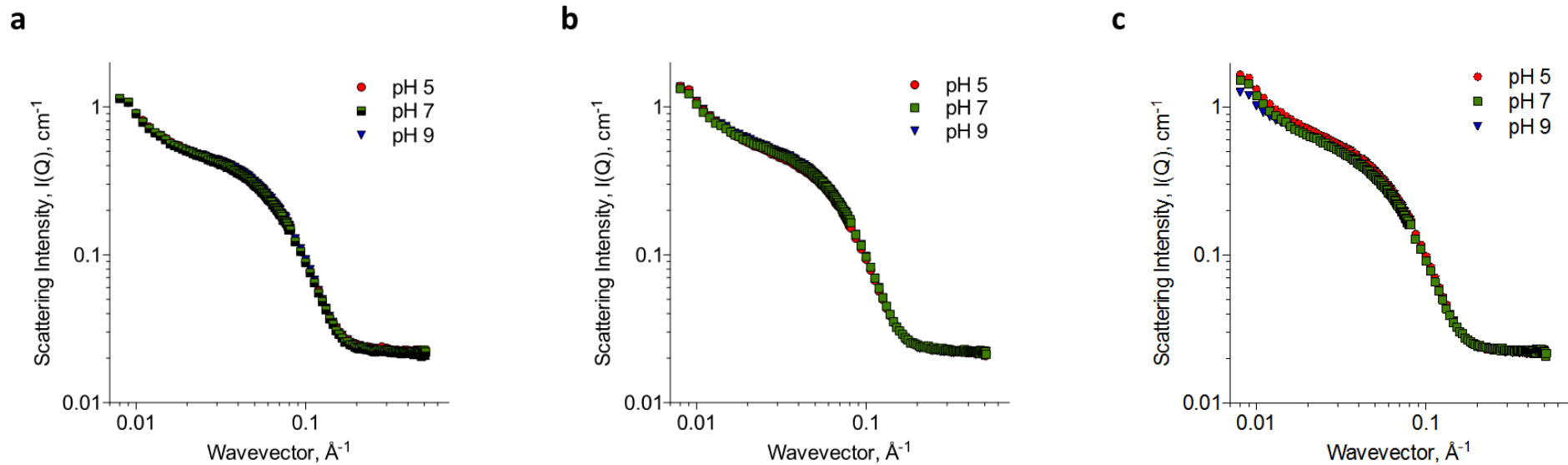
The antimicrobial effects of the alginate oligomer OligoG CF-5/20 are independent of direct bacterial cell membrane disruption

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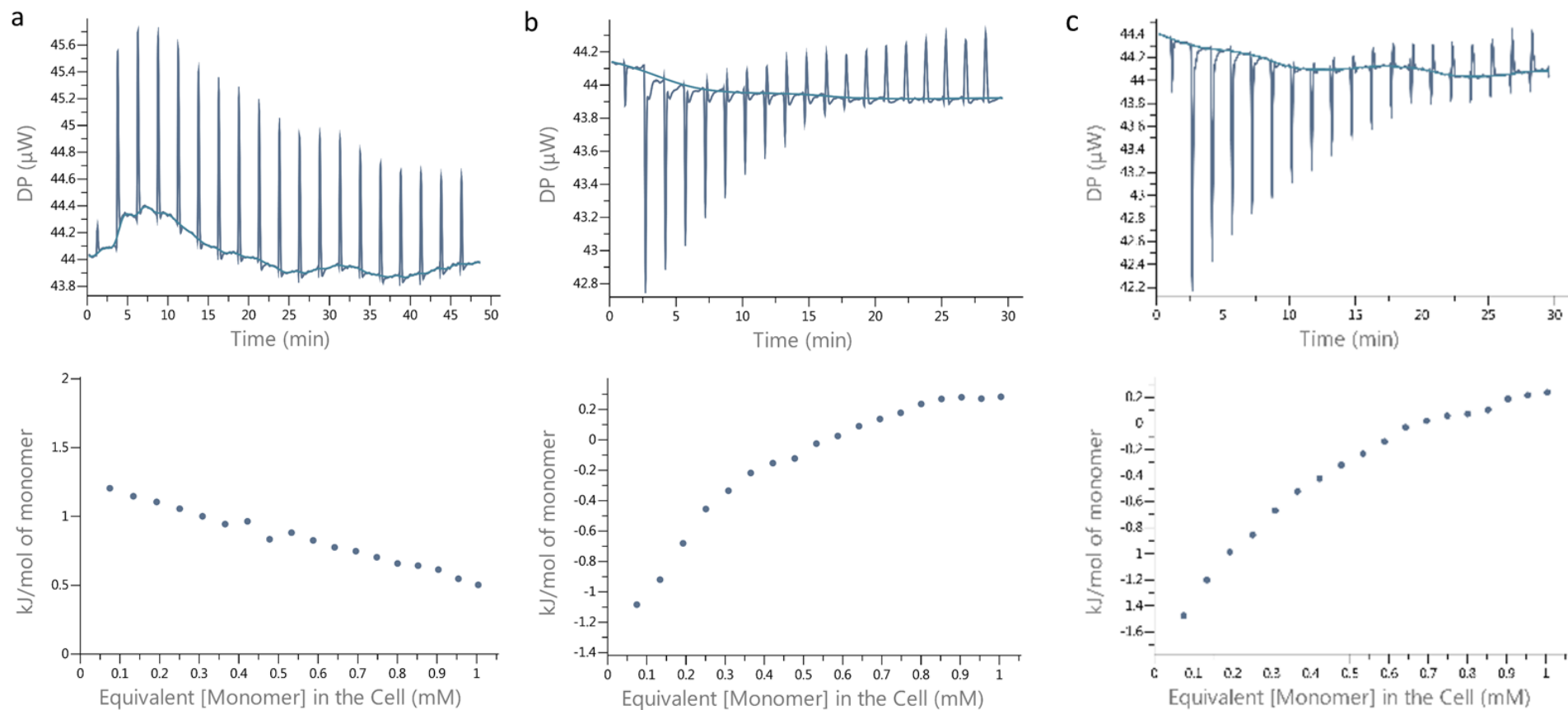
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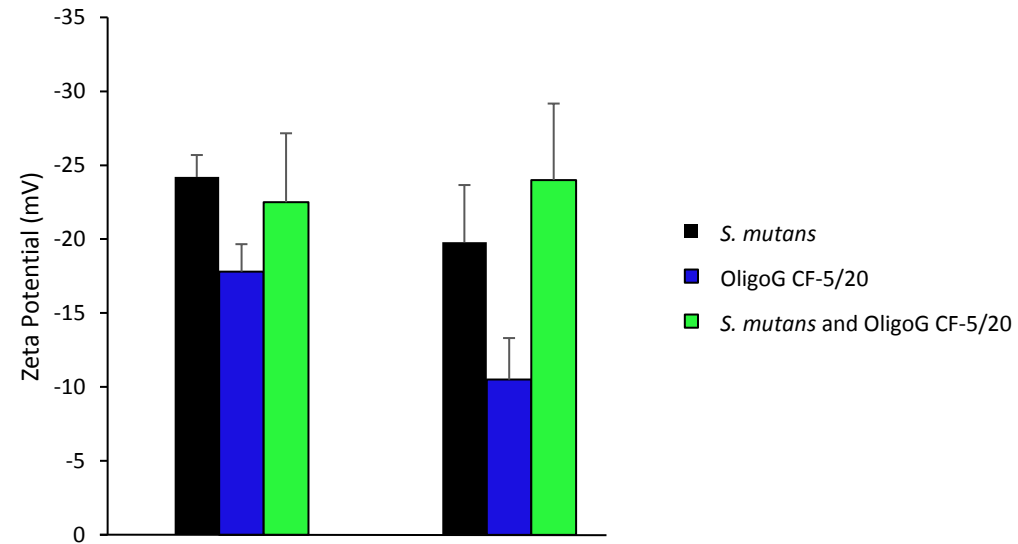
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Supplementary Fig. S1. Structural analysis of LPS. Small-angle neutron scattering from LPS (10 mg/ml) in D_2O containing (a) 0.001 M NaCl, (b) 0.01 M NaCl and (c) 0.1 M NaCl at pH 5-9.



Supplementary Fig. S2. Self-aggregation of OligoG CF-5/20. Enthalpogram for the dilution of 20 mg/ml OligoG CF-5/20 at 37°C in buffer (a) 20 mM phosphate pH 7, 100 mM NaCl, 1 mM EDTA, or (b) in 20 mM phosphate pH 7, 100 mM NaCl, 1 mM CaCl₂ (c) or in 20 mM phosphate pH 7, 100 mM NaCl, 1 mM EDTA, 2 mM CaCl₂.



Supplementary Fig. S3. Effect of OligoG CF-5/20 on *S. mutans* cell surface charge at pH 5 and pH 7 (2.6 mM NaCl \pm 60 mg/ml OligoG CF-5/20). Mean zeta potential measurements (mV) of *S. mutans*, 60 mg/ml OligoG CF-5/20 and both combined following hydrodynamic shear.