

Supplementary:

**Development of an *in situ* dissolved oxygen measurement system and calculation
of its effective diffusion coefficient in a biofilm**

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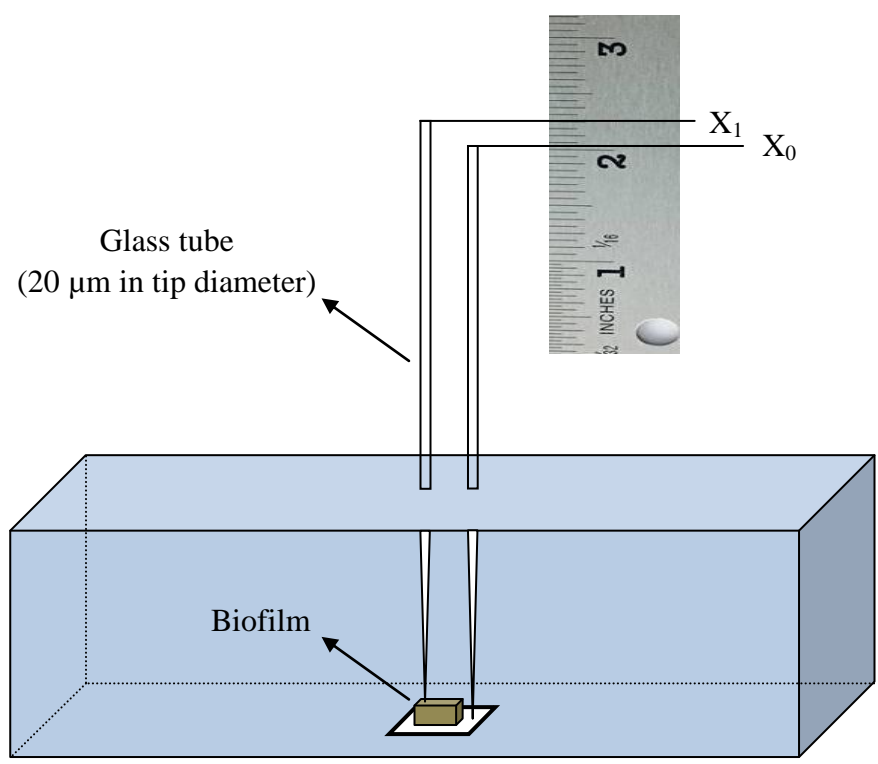


Fig. S1 Schematic of measuring a biofilm thickness.