Testing the Effectiveness of the Metal Binding Reactor Protocol

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Protocol:

- 1. Make up 4L of mannose solution to the required concentration (Between 0.1% to 1%).
- 2. Add the sponges from the "Inducing Biofilms on Polypropylene Scaffold Torus Structures Protocol" previous protocol to the Metal Binding Reactor (MBR), drain well prior to adding.
- 3. Add the mannose to a 5L beaker, take a 1ml sample of this, for the HPLC, into a 1.5ml Eppendorf.
- 4. Place a DC pump into the beaker, at the required setting, attaching it to the inflow of the MBR.
- 5. Place the outflow pipe into a 1L measuring cylinder.
- 6. Start the pump flow, fill the measuring cylinder to the 11 mark and stop the pump.
- 7. Mix the mannose concentration in the measuring cylinder and pipette 1ml into a 1.5ml Eppendorf for the HPLC.
- 8. Follow HPLC protocol