Spawn night protocol

For embryonic development of Montipora capitata rice corals

AUTHOR
Sarah Tanja

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Prep

Make Stock Leachate

First make 400mL of each stock solution from the 1000 mg/L prepared leachate

- [ ] Make 10 mg/L stock:

    $1000 \text{ mg/L} * V_1 = 10 \text{ mg/L} * 400\text{mL}$

    $V_1 = 4\text{mL}$

    400mL of 10mg/L stock = 4mL of 1000mg/L stock + 396mL of FSW

- [ ] Make 1mg/L stock:

    $10\text{mg/L} * V_1 = 1\text{mg/L} * 400\text{mL}$

    $V_1 = 40\text{mL}$

    400mL of 1mg/L stock = 40mL of 10mg/L stock + 360mL of FSW

- [ ] Make 0.1 mg/L stock:

    $1\text{mg/L} * V_1 = 0.1\text{mg/L} * 400\text{mL}$

    $V_1 = 40\text{mL}$

    400mL of 0.1mg/L stock = 40mL of 1mg/L stock + 360mL of FSW

    2. Then dilute the stock to each treatment vial/jar

For a 20mL scintillation vial for coral embryo experiments with a final target volume of 15mL:

1mg/L HIGH treatment

$10\text{mg/L} * V_1 = 1\text{mg/L} * 19\text{mL}$