



VERSION 2
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Deepwell Reusual Protocol V.2

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ABSTRACT

This is a protocol to reuse deepwells for sustainability practices

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Protocol status: Working
We use this protocol and it's working

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Growing cultures in a deep well

- 1 Cover a deep well with two layers of aluminium foil and tape the front and back to hold it securely. The tape also turns the aluminium foil into a lid for the deep well by temporarily peeling off the front tape.
- 2 Autoclave at 120C for 20min. After autoclaving, keep in a heated oven (> 50C) overnight for drying and desiccation.
- 3 Do not fill the deep wells more than 60% of their max volume if they are to be placed in a shaking incubator to avoid spillage.

Deep well Decontamination

- 4 Tape around the deep well over the aluminium foil to prevent spillage.
- 5 While carrying the deep well outside the lab space, enclose it in a waterproof autoclave bag. Keep sufficient absorbent paper on hand in case of accidental spillage.
- 6 In the autoclave facility, autoclave the deep wells at 120C for >30min to decontaminate.
- 7 Once autoclaved, the deep wells will be brought back to the lab

- 8 Carefully peel the aluminium foil and dispose the cultures and aluminium foil into a disposal bag containing paper roll to absorb the liquid.
- 9 Send decontaminated culture for incineration (yellow bin route).
- 10 Rinse the deep well plate with water and a brush to clean before future use.
- 11 Keep in a heated oven ($> 50^{\circ}\text{C}$) overnight for drying and desiccation