



Version 1 ▾

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🌐 Peanut seed sterilization and germination

V.1

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ABSTRACT

Treatments of peanut seeds with HgCl₂ and fungicide Abound

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protocols.io<https://protocols.io/view/peanut-seed-sterilization-and-germination-ccttswnn>

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MATERIALS TEXT

Peanut seeds

1 In a Clean Bench in room 332, put

7m

In a sterile flask, add  **150 mL 0.1% Hg₂Cl** sterilized 0.1% Hg₂Cl solution and shake occasionally for  **00:07:00** .

- 2 Remove the Hg₂Cl by pouring it to a specific biohazard collection container.
- 3 Rinse the seeds **3 times** with  **150 mL ddH₂O** for  **00:05:00** each with constant shaking. Collect the rinse water to water waste bottle. 5m
- 4 Prepare  **Abound Flowable Fungicide Syngenta** by adding  **0.6 mL fungicide** in  **100 mL ddH₂O** , add the diluted fungicide to the flask. Soak the seeds in the fungicide for  **00:03:00** with frequent shaking. 3m
- 5 Remove the fungicide by pouring it to a specific biohazard collection container.
- 6 Rinse the seeds **3 times** with  **150 mL ddH₂O** for  **00:05:00** each with constant shaking. Collect the rinse water to water waste bottle. 5m
- 7 Add ddH₂O to the flask until the seeds are fully merged. Put it in dark growth chamber  **26 °C** for  **48:00:00** . 2d
- 8 Pour out the ddH₂O, and put the seeds in a germination box