

C. elegans Synchronizer Quick Guide



Adults, Day 1 and Older



Embryos

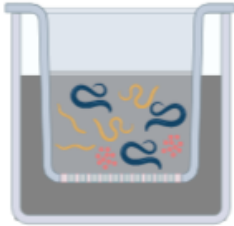


Larvae, L2-L4 Stage



Larvae, L1 Stage

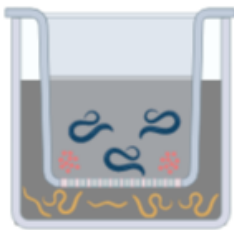
1.1



Step 1: Wash and Stabilizing Filter

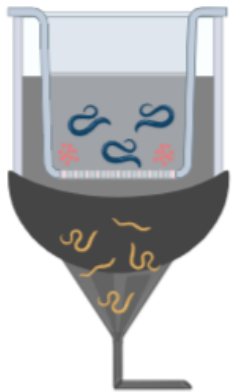
1.1) With Stabilizing Filter in the funnel (not shown), decant worms into filter from washed agar plates (A) or liquid culture (B); keep funnel tube open for first wash.

1.2



1.2) Close waste tube (not shown) and submerge filter with media; allow worms to sediment for a minimum of 5 minutes and for larvae to pass through Stabilization Filter.

1.3



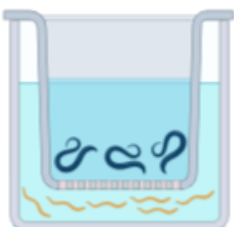
1.3) Release the Hemostat Locking Clamp (not shown) and discard the contents of the waste container and funnel; sedimented larvae will be discarded, while embryos and adults will remain trapped in the filter.

Step 2: Harvest Filter and Synchronization

2.1) Transfer adult worms and eggs from Stabilizing Filter to Harvest Filter placed in Crystallizing Dish; submerge filter in media of choice.

2.2) Allow embryos to hatch over a desired time period (5 minutes to 12 hours) to achieve required level of synchronization; hatched L1's will pass through the Harvest Filter and collect in the Crystallization Dish.

2.1-2.3



2.3) Remove the Harvest Filter and collect the synchronized L1's from the Crystallization Dish; wash L1's briefly in buffer of choice as needed, and proceed with downstream workflow.



For any questions or concerns with your *C. elegans* Synchronizer System, do not hesitate to contact our support team



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