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RNAi imaging

In 1 collection

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Protocol status: Working

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Abstract

Imaging of *P. bursaria* cultures

Preparing plates

1 In a sterile hood, resuspend plate using a multichannel pipette.

#Ensure pipettes do not overlap with multiple Wells
#Pipette up and down ~20 times (10x in the middle, 10x moving clockwise around the edge)

2 Spin plate at 800 x g, 4°C, 00:05:00 5m

800* (*=xg)
Ensure rad is set to 16.3
Ensure that centrifuge is loaded with balance plate

Imaging plates 18m

3 Transfer plate to the HC screener, aligned to the left hand corner.

4 Run protocol "Paramecium_RNAi_A" (this takes ~ 00:10:00) 10m

Name: rnai_[experiment name]_plate[*]A_t[*]_[date]
Select storage: Ben_2

[*] corresponds to the specific plate number, and day, respectively

5 Repeat Step 2, and transfer plate back to the HC screener. 10m

Run protocol "Paramecium_RNAi_B" (this takes ~ 00:10:00)

Name: rnai_[experiment name]_plate[*]B_t[*]_[date]
Select storage: Ben_2

[*] corresponds to the specific plate number, and day, respectively
Running both protocols A and B will collectively image the entire plate, these are run seperately so that cells do not have time to move from the bottom of the well for imaging

6 Return plate to 23 °C culture room.