Efficient meiosis for timelapse

(adapted from Fission Yeast Handbook by Paul Nurse Lab)

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h90 haploids

1. Thaw cells in YES plates and incubate for 1-2 days at 25-32ºC.
2. Grow a culture in liquid YES at 25-30ºC with 200 rpm agitation up to saturation.
3. Subculture in liquid MM 1% Glu + Sup to reach O.D. 0.8-1 with 200 rpm agitation.

   For the generation time, you can estimate:

Genotype	T (ºC)	Gen. time (h)
wt	25ºC	6.5
wt	28ºC	4.5
bqt1Δ sad1.2	25ºC	7
imp1Δ bqt1Δ sad1.2	25ºC	9.5

4. Centrifuge for 3 min at 3000 rpm.
5. Discar supernatant by pouring and wash pellet with equal volume of MM - N.
6. Centrifuge for 3 min at 3000 rpm.
7. Remove supernatant completely by pipetting.
8. Resuspend pellet in 100-200 uL MM - N (depending on pellet size).
9. Plate a drop of 20 uL of suspension in a MEA plate (tempered at room temperature) and incubate for 4-5 h at 28ºC.