

Using cycloheximide (CHX) to inhibit protein synthesis in *S pombe*

1. CHX stock solution (x1). 10 mg/ml in EMM (**highly toxic**, gloves, weigh out in fume cupboard). Make sure solution does not contain any crystals. It may be necessary to warm the solution to 60°C to dissolve completely. Solution should be freshly prepared.
2. Grow pombe cells in EMM to log phase. Pellet 2.5×10^7 cells (=1.5 OD equivalent) and wash in EMM. Resuspend in 0.5 ml EMM containing 10 mg/ml CHX. 15 min incubation is required for CHX to penetrate cells and inhibit protein synthesis.

Note that *S. pombe* requires CHX concentrations x50 those used in *S. cerevisiae*.

Reference:

<http://books.google.com/books?id=3KSzVtiTOjEC&lpg=PA122&dq=S.%20pombe%20requires%20cycloheximide%20concentrations%2050%20times%20higher%20than%20do%20S&pg=PA113#v=onepage&q=S.%20pombe%20requires%20cycloheximide%20concentrations%2050%20times%20higher%20than%20do%20S&f=false>