

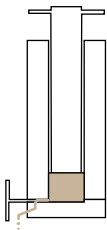
A

Tubulin source/
culture method



HeLa S3 cell
suspension culture

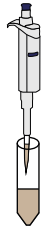
Lysis method



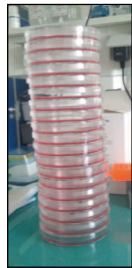
French press



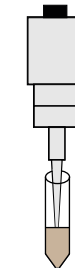
HEK-293 cell
suspension culture



Repeated pipetting



Adherent culture



Sonication



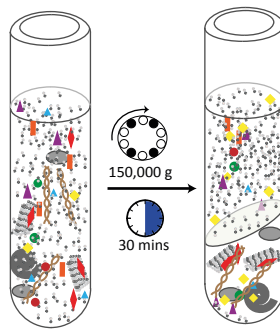
Mouse brain



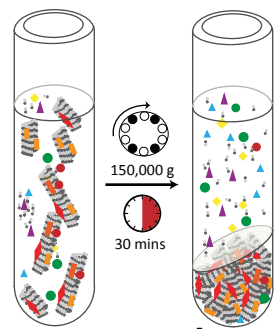
Homogenisation

B

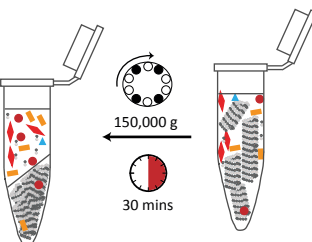
Lysate clarification



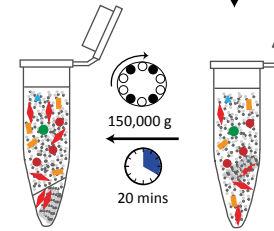
1st polymerization



2nd polymerization (high-PIPES)

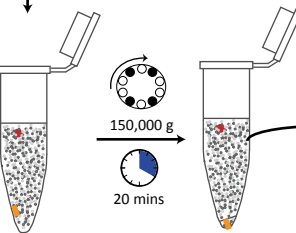


1st
depoly-
merization



Pellet
+ BRB80
20 mins

2nd
depoly-
merization



pure, polymerization-
competent tubulin

