

June 5, 2012: Microtubules and Streptavidin Coated Beads

Microtubules and Streptavidin Coated Beads

- Goal: To determine the manner in which microtubules bind to streptavidin coated beads.
- Materials:

Name	Location	Notes
1 um STV coated beads	4 C fridge	From Ofer. Light sensitive-cover in foil.
0.04 um STV coated beads	4 C fridge	From Ofer. Light sensitive.
Rhodamine labelled tubulin	-20 C freezer	Light sensitive.
Biotinylated tubulin	-20 C freezer	
BRB80	lab bench	
MgCl ₂	-20 C freezer	Abbreviation: Mg
GTP	-20 C freezer	
DMSO	-20 C freezer	
Taxol	-20 C freezer	Abbreviation: Tx

- Procedure:

Name	Location	Notes
1 um STV coated beads	4 C fridge	From Ofer. Light sensitive-cover in foil.
0.04 um STV coated beads	4 C fridge	From Ofer. Light sensitive.
Rhodamine labelled tubulin	-20 C freezer	Light sensitive.
Biotinylated tubulin	-20 C freezer	
BRB80	lab bench	
MgCl ₂	-20 C freezer	Abbreviation: Mg
GTP	-20 C freezer	
DMSO	-20 C freezer	
Taxol	-20 C freezer	Abbreviation: Tx

- Results:
 - o Created MT100 that is composed of 50% rhodamine labeled tubulin and 50% biotin tubulin.