**Exp 1 – Effect of Nocodazole on taxol uptake.**

100nM Taxol (-/+ Nocodazole – nocodazole given as a 1h pretreatement and then incubated throughout)

Stop at 0, 2.5, 5, 10, 15, 30, 60, 240, 1440min

**Exp 2 – Comparing length of arrest with intracellular taxol concentration**

Add different concentrations of taxol to cells and wait 2h before starting movie (to quantify length of mitotic arrest)

80nM, 40nM, 20nM, 10nM, 5nM, 2.5nM, 1.25nM, 0.63nM, 0.31nM, 100 nM

Harvest identical cells at 2h, 16h for intracellular taxol measurements.

**Exp 3 – Taxol washout (abbr. w/out on eppendorfs)**

100nM Taxol – 2h

Harvest sample 1

Wash x 3 in PBS

Wait 2.5, 5, 10, 15, 30, 60, 240, 1440 (harvesting samples 2-9)

Samples for exp 1 and 3 are at 1x10^6 cells/ml (1 mL volume)

Samples for exp 2 are 0.5x10^6 cells/ml (0.5 mL volume)