

# HTA\_\_dose\_\_dilutions

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## Setup Lysate

- [1] “Need 2 plates.”
- [1] “Total lysate mix needed: 13 mL, actually make: 20 mL.”
- [1] “Number of lysate tubes needed: 2”
- [1] “Add 18 mL of K medium to lysate.”
- [1] “Add 12.5 uL of kanamycin to lysate mix.”

## Drug Dilutions

drug	diluent	fold	drug_amt	dil_amt	drug_tube	total_drug
ZTS-00007437-low	1	1:100	1	99	NA	2
ZTS-00007437-low	1	1:10	1	9	NA	2
PF-05249968-low	1	1:100	1	99	NA	2
PF-05249968-low	1	1:10	1	9	NA	2

## Dilution Sheet for ZTS-00007437-low

### Make concentrated stock solution

[1] “You must make a 100-fold dilution of the 10 mM stock that is already made.”

Drug	Diluent	Fold-dilution	Drug (uL)	Diluent (uL)	Tubes
ZTS-00007437-low	1	1:100	1	99	NA
ZTS-00007437-low	1	1:10	1	9	NA

### Dilute down to final concentrations (use 0.1 mM stock):

Diluent	Lysate (uL)	Concentration (uM)	Diluent (uL)	Drug (uL)
DMSO	1188	0	12.00	0.00
DMSO	1188	0.1953	9.66	2.34
DMSO	1188	0.3906	7.31	4.69
DMSO	1188	0.7812	2.63	9.37

### Use higher stock (if necessary):

[1] “Use 1 mM stock.”

Diluent	Lysate (uL)	Concentration (uM)	Diluent (uL)	Drug (uL)
DMSO	1188	1.5625	10.12	1.88

## Dilution Sheet for PF-05249968-low

### Make concentrated stock solution

[1] “You must make a 100-fold dilution of the 10 mM stock that is already made.”

Drug	Diluent	Fold-dilution	Drug (uL)	Diluent (uL)	Tubes
PF-05249968-low	1	1:100	1	99	NA
PF-05249968-low	1	1:10	1	9	NA

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Diluent	Lysate (uL)	Concentration (uM)	Diluent (uL)	Drug (uL)
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