My Special Dilution Sheet

25 November, 2019

User Inputs

Version: v3

Food: Lysate

Dose response: FALSE

Minimum amount to pipette: 0.5

Number of drugs: 2

	Drug	Stock Conc. (mM)	Diluent	Drug Dose (uM)	Drug Plates	Control Plates	Wells
2	FLX	179	DMSO	31.25	6	3	95
3	MIAN	100	DMSO	25	6	3	95

Food Setup

[1] "Total lysate mix needed: 46.55 mL (15 mg/mL), actually make: 46.66 mL"

[1] "Number of lysate tubes needed: 7"

[1] "Add 39.66 mL of K medium to lysate."

[1] "Add 87.49 uL of Kanamycin to lysate mix."

Drug Dilutions

Drug	Diluent	Stock Conc. (mM)	Working Conc. (mM)	Dilution	Total Drug (uL)
FLX	DMSO	179	179	Do not dilute.	8.209672
MIAN	DMSO	100	100	Do not dilute.	11.756250

Plate Dilutions

[1] "Add 25 uL food + drug to wells with 50 uL worms."

Condition	Diluent	Concentration (uM)	Plates	Food (uL)	Diluent (uL)	Drug (uL)
FLX	DMSO	31.25	6	15518.25	148.54	8.21
MIAN	DMSO	25	6	15518.25	144.99	11.76
DMSO	None	1%	3	7759.13	78.38	0.00
DMSO	None	1%	3	7759.13	78.38	0.00