Materials List for:

A High-throughput, High-content, Liquid-based *C. elegans* Pathosystem

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Materials

Name	Company	Catalog Number	Comments
COPAS FP BioSorter	Union Biometrica		Large object flow cytometer/worm sorter
Cytation 5	BioTek		
EL406 Washer Dispenser	BioTek		
Multitron Pro	Infors HT		
24 Deep-Well RB Block	Thermo Fisher Scientific	CS15124	
384-Well plate	Greiner Bio-One	MPG-781091	
Nematode Growth Media (NGM)			Amount per liter: 18 grams agar, 3 grams NaCl, 2.5 grams Peptone, 1 mL $CaCl_2$ (1 M), 1 mL $MgSO_4$ (1 M), 25 mL Phospate buffer, and 973 mL of milli-Q water
Slow Killing (SK) plates			Amount per liter: 18 grams agar, 3 grams NaCl, 3.5 grams Peptone, 1 mL $CaCl_2$ (1 M), 1 mL $MgSO_4$ (1 M), 25 mL Phospate buffer, and 973 mL of milli-Q water
Slow Killing (SK) media			Amount per liter: 3 grams NaCl, 3.5 grams Peptone, 1 mL $CaCl_2$ (1 M), 1 mL $MgSO_4$ (1 M), 25 mL Phosphate buffer, and 973 mL of milli-Q water
Lysogeny Broth (LB)	USBiological Life Sciences	L1520	
Brian Heart Infusion broth (BHI)	Research Products International Corp	50-488-526	
Worm Bleach Solution			Amount per 100 mL: 10 mL of 5 M NaOH solution, 20 mL of 5% Sodium Hypochlorite Solution, and 70 mL of sterile water
S Basal			Amount per liter: 5.85 grams NaCl, 6 grams KH_2PO_4, 1 gram K_2HPO_4, and 1 Liter of milli-Q water
Agar	USBiological Life Sciences	A0930	
NaCl	USBiological Life Sciences	S5000	
Peptone	USBiological Life Sciences	P3300	
$CaCl_2$	USBiological Life Sciences		
$MgSO_4$	Fisher Scientific	M63-500	
Phospate buffer			amount per liter: 132 mL of K2HPO4 (1M) and 868 mL of KH2PO4 (1M)
KH_2PO_4	Acros Organics	7778-77-0	
K_2HPO_4	USBiological Life Sciences	P5100	

5% Sodium Hypochlorite Solution	BICCA	7495.5-32	
NaOH solution	Fisher Scientific	SS255-1	
Breathe-easy	Diversified Biotech	BEM-1	
SYTOX Orange Nucleic Acid Stain	Fisher Scientific	S11368	
Bacterial Strains			
P. aeruginosa (PA14)			
E. faecalis(OG1RF)			
E. coli superfood (OP50)			
E. coli RNAi expressing bacteria (HT115)			
Worm Strains			
glp-4(*bn2*) (Beanan and Strome, 1992, PMID: 1289064)			
PINK-1::GFP reporter (Kang et al., 2018, PMID: 29532717)			