

Materials List for:

# A $\beta$ -glucuronidase (GUS) Based Cell Death Assay

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## Materials

Name	Company	Catalog Number	Comments
Rifampicin	VWR international	IC19549001	25mg/mL stock in DMSO
4'-hydroxy-3',5'-dimethoxyacetophenone (Acetosyringone)	VWR international	TCD2666	0.981 g/mL in DMSO (1M stock)
2-(4-morpholino)ethanesulfonic acid monohydrate (MES)	VWR international	EM-6110	1.92 g/L in water for making 1 L of infiltration media
Bacto-tryptone	Fisher Scientific	BP1421-2	10g/L in water for making 1 L of LB medium
Bacto-yeast extract	VWR international	EM1.03753.0500	5g/L in water for making 1 L of LB medium
Sodium chloride	VWR international	EM-7710	10g/L in water for making 1 L of LB medium
Sodium phosphate monobasic monohydrate	VWR international	MK-7868-12	2.5g/L in water for making 50mM of buffer NaPi
Sodium phosphate dibasic heptahydrate	VWR international	EMD-SX0715-1	5g/L in water for making 50mM of buffer NaPi
Magnesium sulfate heptahydrate	VWR international	EM-MX0070-1	2.5 g/L in water for making 1 L of infiltration media
N-Lauroylsarcosine	VWR international	TCL0151-500G	0.1% v/v in GUS buffer
5-Bromo-4-chloro-3-indoxyl-beta-D-glucuronide cyclohexylammonium salt (X-gluc)	Gold Biotechnology	G1281C	1mg/100uL in methanol 100%
4-Methylumbelliferyl- $\mu$ -D-glucuronide hydrate (MUG)	Sigma-Aldrich	M5664	2 mM in 100 uL of GUS extraction buffer
Potassium ferrocyanide trihydrate	VWR international	EM-PX1460-1	100mM stock for X-gluc substrate solution
$\beta$ -Methylumbelliferone(MU)	Sigma-Aldrich	M1381	For MU standard curve use GUS extraction buffer
Sodium carbonate	VWR international	EM-SX0395-11	0.2 M in water for making GUS stop buffer