**Mouse ESC Medium (500mL)**

DMEM - 500 mL  
Glutamine (200 mM stock) - 5 mL  
PS (100X penn strep (penicillin 10,000 IU/ml streptomycin: 10,000 ug/ml) - 5 mL  
MEM NEAA 100X (GIBCO #11140-050) - 5 mL  
FBS - 50 mL  
Mouse LIF - 500 uL (1000 units/mL)  
b mercaptoethanol - 50 uL (10,000X stock)