

E. coli Minimal Medium

Materials

- filter paper
- petri dishes

Strain

- *E. coli* MG1655 (wildtype)

Media and Solutions

- 2xTY-Medium: 16 g/L tryptone, 10 g yeast extract, 5 g/L NaCl
- *E. coli* minimal medium: 5 g/L Glycerol, 11.2 g/L K_2HPO_4 , 4.8 g/L KH_2PO_4 , 2 g/L $(NH_4)SO_4$, 0.25 g/L $MgSO_4 \cdot 7H_2O$, 0.5 mg/L $Fe_2(SO_4)$, 2-4 g/L Agar
- Chemotaxis medium: 10 mM potassium phosphate buffer, pH 7, 0.1 mM EDTA
- Attractant: 500 mM L-serine solved in chemotaxis medium
 - Repellent: 500 mM Na-acetate solved in chemotaxis medium



from: iGEM Bielefeld