

Agar plates production protocol

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Where	On iGEM wet bench												
Material needed	For 1L of medium: <table><thead><tr><th>Quantity</th><th>What</th></tr></thead><tbody><tr><td>~80</td><td>Petri dishes</td></tr></tbody></table> <i>Typical antibiotic concentrations for E.coli</i> <table><tbody><tr><td>100 mg/L</td><td>Amp</td></tr><tr><td>20 mg/L</td><td>Cm</td></tr><tr><td>15 mg/L</td><td>Tet</td></tr><tr><td>50 mg/L</td><td>Kan</td></tr></tbody></table>	Quantity	What	~80	Petri dishes	100 mg/L	Amp	20 mg/L	Cm	15 mg/L	Tet	50 mg/L	Kan
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Steps	<ol style="list-style-type: none">1. Add the antibiotic to the medium (if antibiotic is needed). The medium has to be still warm (you should be able to hold it in your hands).2. spill the medium on the petri dishes. The right quantity per dish doesn't exist, just the petri dish has to be fully covered by the medium.3. Let the petri dishes became solid on a flat surface.4. Once the bottle with the medium is empty <i>rinse it immediatly with diH₂O!</i> If you wait too long agar will solidify on the bottle.												
Warnings	<ul style="list-style-type: none">• When spilling the medium on the petri dishes it has to be warm. If is too cold agar will begin to solidify in the bottle and the resulting agar plates will be not flat.• If the plates are not destined to E.Coli the antibiotic concentration changes. Ask to T.A!!!												
