

City College of San Francisco	Batch production for LB plates		Document number: LBP01 Version: 2
	Confidential and Proprietary	LB plates	Effective date: 05Feb07 Page no.: 1of 2

Lot no: \_\_\_\_\_

### 1. Purpose

1.1 To make LB plates for culturing E.coli

### 2. Scope

2.1 To prepare LB plates for culturing E. coli.

### 3. Responsibility

3.1 It is the responsibility of the course instructor/lab assistant to ensure that this SOP is performed as described and to update the procedure when necessary.

3.2 It is the responsibility of the students/technicians to follow the SOP as described and to inform the instructor about any deviations or problems that may occur while performing the procedure.

### 4. Tools

4.1 Digital Scale	4.2 Weigh boat(s)
4.3 Spatula	4.4 NaCl (Sodium Chloride)
4.5 Bacto-Yeast	4.6 Bacto-tryptone
4.7 Bacto-Agar	4.8 ddH <sub>2</sub> O
4.9 Stir bar	4.10 Flask (500ml)
4.11 Stir plate	4.12 Autoclave tape
4.13 Antibiotic of choice	4.14 Aluminum foil
4.15 Bunsen Burner	4.16 Striker
4.17 1/2 sleeve of plates	4.18 Paper towels
4.19 Water bath set at 55°C	4.20 Disinfectant

### 5 Process

	Lot no.	Operator	Verifier
5.1 Set up water bath and set to 55°C, if not already done			
5.2 Pour 250ml of LB into 1L flask			
5.3 Place stir bar into flask			
5.4 Add 3.75g Bacto-Agar			
5.5 Mix to create an emulsion (Bacto Agar will not dissolve)			
5.6 Create an aluminum foil cap and place over flask opening.			
5.7 Place autoclave tape on foil cap and flask.			

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5.8 Place flask in autoclave.	Lot no.	Operator	Verifier
5.9 Autoclave on liquid cycle 1 Time start: _____ Time end: _____			
5.10 After autoclave run, place flask with media into 55°C water bath.			
5.11 Disinfect area for pouring plates, with disinfectant and paper towels.			
5.12 Set up Bunsen Burner.			
5.13 Label the plates.			
5.14 Once plate media has cooled to 55°C remove from the water bath			
5.15 Add 250µl of Abx (50mg/ml)			
5.16 Light the Bunsen burner			
5.17 Aseptically pour plates (3/4 full)			
5.18 Allow plates to cool undisturbed.			
5.19 Once plates have cooled, bag the plates aseptically.			
5.20 Place plates in refrigerator (4°C) located: _____			

Observations: \_\_\_\_\_

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