

SOP-M005

NZE Agar for E-coli

Objective: Ecoli growth plates

Products:

NZ Amine, Type A: Amresco cat# J853-500g
NaCl (Sodium Chloride): Sigma cat# S-9888 500g
Yeast Extract: Difco cat# 212750-500g
Agar Technical Solidifying Agent: Difco cat# 281230 500g

Procedure:

1. Pour 1 liter of Millipore water into a 2000 liter beaker.
2. Add a stir bar and place on a hot plate/stir plate. Dial both the heat and stirrer up to 10 or highest setting.
3. Measure each of the following ingredients and add to the water.

NZ Amine, Type A:	10gm / liter
NaCl	8gm / liter
Yeast Extract	5gm / liter
Agar	15gm / liter

4. Bring to a boil. Then let it boil for 1 minute and remove from heat.
5. Once it has cooled down enough to be safe to handle, pour liquid into sterile bottles.
6. Put autoclave tape on the bottles. Autoclave agar bottles on liquid setting with the lids slightly loosened.
7. Remove bottles from autoclave and let completely cool down. Once they are cool, place in the cold room @4° temperature until ready to use.

NOTE: See SOP67 on how to pour plates.

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Verified by: _____ **Date:** 9/19/2012 _____

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