

Quantifying Bacterial Surface Swarming Motility on Inducer Gradient Plates

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Materials

| Name | Company | Catalog Number | Comments |
|---------------------------------|-------------------------|----------------|---|
| Agar | Sigma-Aldrich | V900500 | 500 g |
| Ampicillin | Solarbio | A8180 | 25 g, ≥ 85% (GC) |
| Centrifuge tube | Corning | 430790 | 15 mL |
| Cryogenic vial | Corning | 430488 | 2 mL |
| Dimethyl sulfoxide (DMSO) | Aladdin | D103272 | AR, > 99% (GC) |
| L(+)-Arabinose | Aladdin | A106195 | 98% (GC), 500 g |
| Petri dishes | Bkman | B-SLPYM90-15 | Plastic Petri dishes, circular, 90 mm x 15 mm |
| Resveratrol | Aladdin | R107315 | 99% (GC), 25 g |
| Sodium chloride | Macklin | S805275 | AR, 99.5% (GC), 500 g |
| Square Petri dishes | Bkman | B-SLPYM130F | Plastic Petri dishes, square, 13 mm x 13 mm |
| Tryptone | Thermo Scientific Oxoid | LP0042 | 500 g |
| Yeast extract | Thermo Scientific Oxoid | LP0021 | 500 g |
| Equipments | | | |
| Biochemical incubator | Blue pard | LRH-70 | |
| Tanon 5200 multi imaging system | Tanon | 5200CE | |
| Thermostatic water bath | Jinghong | DK-S28 | |