

Materials List for

# Bioassay-Guided Identification of Natural Products for Biocontrol by Thin Layer Chromatography-Direct Bioautography

Leah Gauthier<sup>1,2</sup>, Brian D. Wagner<sup>2</sup>, Sue Boyetchko<sup>3</sup>, Christopher W. Kirby<sup>1,2</sup>

<sup>1</sup>Charlottetown Research and Development Centre, Agriculture and Agri-Food Canada <sup>2</sup>Department of Chemistry, University of Prince Edward Island

<sup>3</sup>Saskatoon Research and Development Centre, Agriculture and Agri-Food Canada

## Corresponding Author

Christopher W. Kirby

chris.kirby@agr.gc.ca

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## Materials

| Name                                    | Company                  | Catalog Number | Comments                         |
|---|--------------------------|----------------|----------------------------------|
| 0.5-5 mL single channel Pipette         | VWR                      | CA11020-004    |                                  |
| 10 mL Thin Layer Chromatography Sprayer | VWR                      | KT422530-0010  |                                  |
| 100 x 15 mm Petri plates                | VWR                      | 89038-970      |                                  |
| 100-1000 µL pipette tips                | VWR                      | 76322-164      |                                  |
| 100-1000 µL single channel pipette      | VWR                      | 76169-240      |                                  |
| 15 mL sterile centrifuge tubes          | VWR                      | CA21008-918    |                                  |
| 1 L glass bottle                        | Millipore Sigma          | CLS13951L      | Must be autoclave safe           |
| 1 mL sterile syringe with needle        | Thomas Scientific        | 8935L75        | Detachable needle is recommended |
| 2 mL Microcentrifuge tube               | VWR                      | 87003-298      |                                  |
| 50 mL sterile centrifuge tubes          | VWR                      | CA21008-940    |                                  |
| 5 mL pipette tips                       | VWR                      | CA11020-008    |                                  |
| 7 mL scintillation vials                | VWR                      | 76538-962      |                                  |
| 95% ethanol                             | Thermo Fisher Scientific | A412-500       |                                  |
| Autoclave                               | Cole-Parmer              | UZ-01850-34    | 8 L, 115 VAC                     |
| Bacteriological agar                    | VWR                      | 97064-336      |                                  |
| bin                                     | Thomas Scientific        | 1216H91        |                                  |
| D-Glucose                               | VWR                      | BDH9230-500G   |                                  |
| Dichloromethane ≥99.8% ACS              | VWR                      | BDH1113-4LG    |                                  |
| Ethyl Acetate ≥99.8% ACS                | VWR                      | BDH1123-4LG    |                                  |
| Filter paper                            | VWR                      | CA28297-846    |                                  |
| Grinding Beads                          | VWR                      | 12621-148      |                                  |
| Hygromycin B                            | VWR                      | CA80501-074    |                                  |
| Iron Sulfate Heptahydrate               | VWR                      | 97061-542      |                                  |
| Laminar flow hood                       | CleanTech                | 1000-6-A       |                                  |

|  |                   |              |   |
|--|-------------------|--------------|---|
| LC-MS  | Waters            | LITR10064178 | UPLC/MS/MS TQD system                             |
| Lyophilizer  | Labconco          | 700201000    | Temperature collector -50 °C                      |
| Manganese Sulfate Hydrate                                | VWR               | CAAA10807-14 |   |
| Methanol ≥99.8% ACS                                      | VWR               | BDH2018-5GLP |   |
| Paper towel  | VWR               | 89402-824    |   |
| Potato Dextrose Agar                                     | VWR               | CA90000-758  |   |
| Potato Dextrose Broth                                    | VWR               | CA90003-494  |   |
| Potassium Phosphate Dibasic                              | VWR               | 470302-246   |   |
| Potassium Phosphate Monobasic                            | VWR               | 470302-252   |   |
| Pressure Gauge 6mm Union Straight 0-10 bar (0-145 psi)   | Tameson           | F25U6        |   |
| Pseudomonas F Agar                                       | VWR               | 90003-352    | Also known as Flo Agar                            |
| PTFE Tubing  | Sigma Aldrich     | 58697-U      | 1/16 inch inner diameter                          |
| Sodium Chloride  | VWR               | BDH9286-500G |   |
| Spatula  | VWR               | 82027-490    |   |
| Sterile Inoculation loops with needle                    | VWR               | 76534-512    |   |
| Tinfoil  | Thomas Scientific | 1086F24      | Can be purchased from supermarket                 |
| TLC Silica Gel 60 RP-18 F254S 25 Glass Plates 20 X 20 cm | Thomas Scientific | 1205Q12      |   |
| Vacuum Pump  | Labconco          | 1472100      | 98 L/min  |
| Vortex   | VWR               | 76549-928    | Must accommodate 15 mL and 50 mL centrifuge tubes |
| Whatman in-line HEPA-VENT                                | Millipore Sigma   | WHA67235000  | 10 filters, 1/4 to 3/8 inch inlet/outlet          |
|  | VWR               | 97063-370    |   |