

Materials List for:

# A *Caenorhabditis elegans* Model System for Amylopathy Study

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## Materials

| Name                                                                 | Company           | Catalog Number | Comments                           |
|----------------------------------------------------------------------|-------------------|----------------|------------------------------------|
| <b>1. NGM</b>                                                        |                   |                |                                    |
| Sodium Chloride                                                      | Sigma-Aldrich     | S5886          | 3 g                                |
| Bacteriological agar                                                 | AMRESCO           | J637           | 17 g                               |
| Bacto-peptone                                                        | AMRESCO           | J636           | 2.5 g                              |
| Distilled Water                                                      |                   |                | Bring to 975 ml                    |
| Sterilized by autoclaving, then add the following items and mix well |                   |                |                                    |
| Magnesium sulfate                                                    | Sigma-Aldrich     | M2643          | 1 ml of 1 M stock                  |
| Calcium Chloride                                                     | Sigma-Aldrich     | C5670          | 1 ml of 1 M stock                  |
| Cholesterol                                                          | Sigma-Aldrich     | C3045          | 1 ml of 5 mg/ml stock( in ethanol) |
| Potassium phosphate buffer                                           |                   |                | 25 ml of 1M stock                  |
| <b>2. Potassium phosphate buffer</b>                                 |                   |                |                                    |
| Potassium phosphate monobasic                                        | Sigma-Aldrich     | P5655          | 108.3 g                            |
| Potassium phosphate dibasic                                          | Sigma-Aldrich     | P3786          | 35.6 g                             |
| Distilled Water                                                      |                   |                | Bring to 1 L                       |
| Sterilized by autoclaving                                            |                   |                |                                    |
| <b>3. M9 buffer</b>                                                  |                   |                |                                    |
| Potassium phosphate monobasic                                        | Sigma-Aldrich     | P5655          | 3 g                                |
| Sodium phosphate dibasic                                             | Sigma-Aldrich     | S5136          | 6 g                                |
| Sodium Chloride                                                      | Sigma-Aldrich     | S5886          | 5 g                                |
| Magnesium sulfate                                                    | Sigma-Aldrich     | M2643          | 1 ml of 1 M stock                  |
| Distilled Water                                                      |                   |                | Bring to 1 L                       |
| Sterilized by autoclaving                                            |                   |                |                                    |
| <b>4. Egg buffer (pH 7.3, 340 mOsm)</b>                              |                   |                |                                    |
| Sodium Chloride                                                      | Sigma-Aldrich     | S5886          | 118 mM                             |
| Potassium Chloride                                                   | Sigma-Aldrich     | P5405          | 48 mM                              |
| Calcium Chloride                                                     | Sigma-Aldrich     | C5670          | 2 mM                               |
| Magnesium Chloride                                                   | Sigma-Aldrich     | M4880          | 2 mM                               |
| HEPES                                                                | Fisher Scientific | BP310          | 25 mM                              |
| Distilled Water                                                      |                   |                | Bring to 1 L                       |
| Sterilized by autoclaving                                            |                   |                |                                    |
| <b>5. CM-15</b>                                                      |                   |                |                                    |
| L-15 culture medium                                                  | Gibco             | 11415          | 450 ml                             |
| Fetal Bovine Serum                                                   | Gibco             | 10437-028      | 50 ml                              |
| Penicillin                                                           | Gibco             | 15140          | 50 units/ml                        |
| Streptomycin                                                         | Gibco             | 15140          | 50 g/ml                            |

Adjust to 340 mOsm with sucrose then sterile filter into autoclaved bottles and store at 4 °C

**6. Other Reagents**

|                              |                     |            |  |
|------------------------------|---------------------|------------|--|
| Halocarbon 700 oil           | Halocarbon Products | 9002-83-9  |  |
| 5 µm Acrodisc Syringe Filter | PALL Co.            | 4199       |  |
| Chitinase                    | Sigma-Aldrich       | C6137-5UN  |  |
| Lectin (peanut)              | Sigma-Aldrich       | L0881-10MG |  |
| Sodium hydroxide             | Fisher Scientific   | S320       |  |
| Lysine                       | Sigma-Aldrich       | L5501      |  |
| Biotin                       | Sigma-Aldrich       | B4639      |  |
| Sodium hypochlorite solution | Sigma-Aldrich       | 425044     |  |
| Sodium azide                 | Sigma-Aldrich       | 71289      |  |
| Sucrose                      | Sigma-Aldrich       | S0389      |  |