

# Pharmacology & Toxicology 2021

Date updated

Tuesday, June 29, 2021

Changes marked below in red

| STATUS                    |               |
|---------------------------|---------------|
| Total Task                | 25            |
| Completed Task            | 0             |
| % completion              | 0.00%         |
| Is everything good to go? | Getting there |

|                                                                                                                                                                                     | Where to purchase                                                                           | Links                   | Checklist |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------|-----------|
| <b>Monday Experiment: Dose response curve</b>                                                                                                                                       |                                                                                             |                         |           |
| <b>Equipment</b>                                                                                                                                                                    |                                                                                             |                         |           |
| Measuring spoons(teaspoons)                                                                                                                                                         | common house hold item                                                                      |                         |           |
| Measuring cups(1/4 cup size)                                                                                                                                                        | common house hold item                                                                      |                         |           |
| <b>You will need 12 vessels: Pick only one from Method 1, 2 or 3 listed below, depending on which ever is most accessible/available to you.</b>                                     |                                                                                             |                         |           |
| Method 1:<br>12 clear small Zip seal bags , preferred minimum size at 3cm x 5cm or small size ziplock bags<br>vessel 8mL of liquid<br>* bag cannot be too big, liquid may evaporate | Dollarama, Walmart, Michaels,<br>Any local Grocery store,<br>common house hold item         | <a href="#">EXAMPLE</a> |           |
| Method 2:<br>12 small Tupperware containers, can be glass or plastic                                                                                                                | common house hold item                                                                      |                         |           |
| Method 3:<br>12 small Ceramic or plastic dessert plates (not paper) and 1x saran wrap roll                                                                                          | common house hold item                                                                      |                         |           |
| <b>Supplies: Materials</b>                                                                                                                                                          |                                                                                             |                         |           |
| <b>1 package of Fast Germinating Champion Radish seeds (120 seeds needed minimum)</b>                                                                                               | <b>HomeDepot, Walmart, Amazon</b>                                                           |                         |           |
| <b>&gt;&gt;&gt;Alternatively, use Fast germinating Broccoli seeds (120 seeds)</b>                                                                                                   | <b>homeDepot, Walmart, Amazon</b>                                                           |                         |           |
| 1 Sharpie/Permenant marker, Black color preferred                                                                                                                                   | Dollarama, Walmart,<br>Michaels,Staples, Any local stationary store, common house hold item |                         |           |
| 1 stick or spoon for mixing solutions                                                                                                                                               | common house hold item                                                                      |                         |           |
| Gauze or paper towel, cut to size of your vessel                                                                                                                                    | common house hold item                                                                      |                         |           |
| Jar or plastic cup for waste                                                                                                                                                        | common house hold item                                                                      |                         |           |
| <b>Supplies: Reagents</b>                                                                                                                                                           |                                                                                             |                         |           |
| Tap water                                                                                                                                                                           | common house hold item                                                                      |                         |           |
| 50 mL Vinegar 5% (acetic acid)                                                                                                                                                      | Any local grocery store,<br>common house hold item                                          |                         |           |
| Table salt, 10g                                                                                                                                                                     | common house hold item                                                                      |                         |           |
| <b>Tuesday Experiment: VEGF at home activity</b>                                                                                                                                    |                                                                                             |                         |           |
| <b>Equipment</b>                                                                                                                                                                    |                                                                                             |                         |           |
| Scissors                                                                                                                                                                            | common house hold item                                                                      |                         |           |
| Tape or glue (used to attach paper pieces)                                                                                                                                          | Dollarama, Walmart,<br>Michaels,Staples, Any local stationary store                         |                         |           |
| Printing paper                                                                                                                                                                      | Dollarama, Walmart,<br>Michaels,Staples, Any local stationary store                         |                         |           |
| Access to a Printer (color or black & white)                                                                                                                                        | common house hold, office item                                                              |                         |           |

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| <b>Wednesday Experiment: Paper chromatography</b>                                                                         |                                                                               |       |           |
| <b>Equipment</b>                                                                                                          |                                                                               |       |           |
| 3 Glass jar or any type of Glass vessel at least 8 cm width x 11 cm height. Ideally same size                             | common house hold item                                                        |       |           |
| >>> Alternative: plastic cups                                                                                             |                                                                               |       |           |
| 1 Ruler, at least 15cm                                                                                                    | common house hold item                                                        |       |           |
| 3 wooden stick( e.g bamboo skewer, or chopstick, or a thin long pencil). Ideally same size.                               | common house hold item                                                        |       |           |
| 3x Binder clip or bulldog clamp or any clip of similar function( 1 or 2 /jar depending on size)                           | common house hold item                                                        |       |           |
| Scissor                                                                                                                   | common house hold item                                                        |       |           |
| Saran wrap                                                                                                                | common house hold item                                                        |       |           |
| 1 pencil to draw a line                                                                                                   | common house hold item                                                        |       |           |
| <b>Supplies: Materials</b>                                                                                                |                                                                               |       |           |
| <b>Any size coffee filter paper (white). Cut 6 strips (2cm by 11 cm).</b>                                                 | <b>common house hold item<br/>any local grocery store</b>                     |       |           |
| <b>Supplies: Chemicals</b>                                                                                                |                                                                               |       |           |
| Water                                                                                                                     | common house hold item                                                        |       |           |
| nail polish remover (acetone)                                                                                             | common house hold item<br>any local pharmacy, shoppers,<br>dollarama, walmart |       |           |
| Glass cleaner ( any brand, e.g Skarple n' Shine, Windex)                                                                  | common house hold item<br>any local pharmacy, shoppers,<br>dollarama, walmart |       |           |
| 2 black markers<br>*Need to to be two different brands. One must be washable or water-soluble, the other a permanent one. | Dollarama, Walmart,<br>Michaels, Staples, Any local<br>stationary store       |       |           |