

### Materials List for Experiment with Enzymes

Wherever possible, we have listed multiple sources with catalog numbers and current LIST price      Check with your supervisor/finance officer to determine which vendors provide discounted prices

|    | ITEM                               | SUPPLIER                    | CATALOG NUMBER                             | UNIT             | list price | #  | USED FOR   |
|----|------------------------------------|-----------------------------|--|------------------|------------|----|--|
| 1  | 24-well dishes                     | Fisher                      | 07-200-84                                  | cs 100           | \$184.00   | 1  | assay trays. Can re-use many times.                |
|    |                                    | Flinn                       | AP1447                                     | cs 50            | \$136.50   | 1  |  |
| 2  | bin, plastic                       | supermarket                 |  | ea               | \$4.00     |    | to wash/immerse/store dishes                       |
|    | pan, sweater or dish, plastic only | supermarket                 |  | ea               | \$2.00     | 1  | for soaking and cleaning                           |
| 3  | bleach                             | supermarket                 |  | pt/gal           | \$1.00     | 1  | cleaning dishes, make 10% (1 bleach + 9 tap water) |
| 4  | bottle (clear), 1 liter water      | supermarket                 | (recycle clear 1 pt or 1 qt water bottles) |                  | \$1.00     | 1  | recycled container for proofing yeast              |
| 5  | cups, styrofoam                    | supermarket                 |  | pk20-50          | \$2.00     | 1  | tiny ice buckets                                   |
| 6  | Erlenmeyer flask, 250 ml           | Fisher                      | 10-040H                                    | 6                | \$26.00    | 1  | solution or large suspension preparation           |
| 7  | filter circles, Whatman #1, 24 cm  | Carolina                    | AA-71-2716                                 | pk 101           | \$7.80     | 1  | assay discs  |
|    |                                    | Fisher                      | 09-805J                                    | pk               | \$17.48    | 1  | assay discs  |
|    |                                    | Flinn                       | AP3106                                     | pk 100           | \$8.85     | 1  | assay discs  |
| 8  | Fisher Lab Graph and Chart Masters | Fisher                      | 14-433-6                                   | ea               | \$29.95    | 1  | drawing, graphing masters                          |
|    | graph paper                        | Walmart                     |  | pk 50-100 sheets | \$1.94     | 2  | drawing, graphing                                  |
| 9  | forceps, polypropylene             | Flinn                       | AB1018                                     | ea               | \$0.95     | 30 | assay hold discs                                   |
|    |                                    | Sargent-Welch               | WLS 26503A                                 | pk 6             | \$5.85     | 6  | assay hold discs                                   |
| 10 | hole punch                         | office supply               |  | ea               | \$1.00     | 6  | punch out assay discs                              |
| 11 | hydrogen peroxide                  | supermarket                 |  | pt               | \$1.00     | 2  | assay substrate. Keep tightly closed!              |
| 12 | ketchup cups, clear drinking cups  | Price Club/BJ/Sam's/Walmart |  | pk of 20-100     | \$2.00     | 1  | hold liquid samples                                |
| 13 | paper towels                       | supermarket                 |  | roll             | \$1.00     |    |  |

|    |  |                            |            |        |         |   |   |
|----|--|----------------------------|------------|--------|---------|---|---|
| 14 | pipettes graduated, transfer, individually wrapped | Fisher                     | 13-711-20  | pk 500 | \$49.00 | 1 | liquid transfer                               |
|    | pipettes, transfer, graduated                      | Carolina                   | AA-73-6986 | pk 100 | \$6.85  | 1 | "   |
|    | pipettes, transfer, graduated, sterile 20/         | Fisher                     | 13-711-9C  | pk 500 | \$35.00 | 1 | "   |
|    | pipettes, transfer, graduated, non-sterile         | Fisher                     | 13-711-9A  | pk 500 | \$20.42 | 1 | "   |
|    | pipettes, transfer, graduated, non-sterile         | Flinn                      | AP1516     | pk 500 | \$20.60 | 1 | "   |
| 15 | salt   | supermarket                |            | pk     | \$1.00  |   | proofing yeast. Use for extension experiments |
| 16 | spoons SEPUP measuring/mixing                      | Sargent-Welch              | WL52610    | pk 16  | \$1.60  | 2 | for team yeast suspensions                    |
| 17 | sugar  | supermarket                |            | pk     | \$1.00  |   | proofing yeast                                |
| 18 | thermometer, non-mercury                           | Fisher                     | 14-997     | ea     | \$3.31  | 4 | record room, yeast, and assay temperature     |
|    | thermometers, -10-110C                             | Fisher                     | 15-077B    | ea     | \$31.60 | 4 | record room, yeast, and assay temperature     |
| 19 | toothpicks   | supermarket/wholesale club |            | pk     | \$1.00  | 2 | stir assay wells                              |
| 20 | water, distilled                                   | supermarket                |            | gal    | \$1.00  |   | assay solutions                               |
| 21 | yeast  | supermarket                |            | pk     | \$1.00  |   | yeast   |
|    | yeast SEPUP active dry YE001                       | Sargent-Welch              | WL52747    | 2 lb   | \$12.79 | 1 | yeast   |

# is number of units or packs per class set.

NOTE that many items can be purchased from your local market.

NOTE All plasticware can be re-used. Soak in 10% bleach for a few minutes to 30 minutes.

Rinse VERY well. Dry well since the assay volumes should be less than 3 ml.