

Introduction to Biology – BIOL 1011K Lab Kit

- General Kit Instructions Booklet - 1
- Solution Mixing Instructions - 1
- 10 ml Graduated Cylinder - 1
- 150 ml Beaker, plastic - 6
- Glass Test Tubes, 20 x 150mm - 6
- Pipettes, disposable - 30
- Ruler - 1
- Safety Bag (Apron, 5 pairs of gloves, glasses, 3 under pads) - 1
- Stir Rod, glass - 1
- Test Tube Rack - 1
- Thermometer, large - 1
- Wax Pencil - 1
- Aluminum Foil Pieces - 5 (30cm)
- Dialysis Tubing - 75 cm
- Glucose Test Strips - 15
- pH Test Strips - 2
- Balloons - 12
- Yeast Packet - 1
- Measuring Spoon Set - 1
- Soluble Starch - 1 tablespoon
- Glucose 1 tablespoon
- Thick Chromatography Filter Paper (6 x 18 cm) - 2
- Pipe Cleaners (2 red, 2 yellow, 2 blue) - 6
- Pipe Cleaners (4 yellow, 2 red, 2 blue) - 8
- Beads (6 red, 6 blue) - 12
- PTC Test Strip - 2
- Salt (NaCl) - 3 grams
- 4-ply Cheesecloth (15 x 15 cm) - 1
- Distilled Water - 2 (230 mL)
- *Albumin in 2 oz Bottle - 0.1 g
- Benedict's Solution - 30 mL
- Biuret Solution ($\text{H}_2\text{NC(O)NHC(O)NH}$) - 12 mL
- *Glucose ($\text{C}_6\text{H}_{12}\text{O}_6$) in 2 oz Bottle - 0.2 g
- *Glucose ($\text{C}_6\text{H}_{12}\text{O}_6$) in 2 oz Bottle - 4 g
- Iodine Solution - 10 mL
- *Soluble Starch ($\text{C}_6\text{H}_{10}\text{O}_5$) in 2 oz Bottle - 1 g
- *Sucrose ($\text{C}_{12}\text{H}_{22}\text{O}_{11}$) in 15 cc Bottle - 1 g
- Sudan IV Reagent ($\text{C}_{24}\text{H}_{20}\text{N}_4\text{O}$) - 2 mL
- 6% Acetic Acid, Cleaning Vinegar ($\text{C}_2\text{H}_4\text{O}_2$) - 100 mL
- *Glucose ($\text{C}_6\text{H}_{12}\text{O}_6$) in 8 oz Bottle - 1 g

- Iodine Solution - 10 mL
- *Soluble Starch (C₆H₁₀O₅) in 8 oz Bottle - 10 g
- *Sucrose (C₁₂H₂₂O₁₁) in 8 oz Bottle - 100 g
- 0.1M Hydrochloric Acid (HCl) - 3 mL
- 3% Hydrogen Peroxide (H₂O₂) - 40 mL
- Chromatography Solvent (Acetone & Petroleum Ether) - 10 mL
- 95% Ethanol (C₂H₆O) - 20 mL
- Liquid Dishwashing Soap - 15 mL
- Protease Enzyme - 1 mL