## Winery Lab Starter Kit

Equipment and supplies required for successful small-scale winemaking.

### Sugar at Harvest (Brix)
- Refractometer
  - Price: 47.00

### Titratable Acidity
- Automatic Burette (clear, 25 mL)
  - Price: 55.00
- Beakers (400 mL)
  - Price: 24.50
- Sodium Hydroxide Solution (0.1n)
  - Price: 8.05
- Pipet (10mL)
  - Price: 3.10

### pH
- pH Meter
  - Price: 120.00
- Electrode Storage Solution
  - Price: 10.00
- Buffer Solution pH 3
  - Price: 6.25
- Buffer Solution pH 7
  - Price: 5.40
- Magnetic Stir Plate
  - Price: 67.50
- Distilled Water
  - Price: 2.00
- Water Bottle
  - Price: 3.20

### Sulfur Dioxide (SO₂) Addition
- Scale (0.1 g x 600 g)
  - Price: 72.00
- Pocket Calculator
  - Price: 5.00
- Potassium Metabisulfite
  - Price: 6.75
- Spoon
  - Price: 1.00

### SO₂ Analysis (Aeration/Oxidation Method)
- Aspirator
  - Price: 165.00
- Automatic Burette (clear, 25 mL)
  - Price: 55.00
- Pipet (10mL)
  - Price: 3.10
- Indicator Solution
  - Price: 5.55
- Hydrogen Peroxide Solution (3%)
  - Price: 2.00
- Phosphoric Acid Solution (25%)
  - Price: 27.97
- Sodium Hydroxide Solution (0.01n)
  - Price: 5.70

### Sugar during Fermentation (Brix)
- Hydrometer (0-38 Brix)
  - Price: 10.00
- Graduated Cylinder (500 mL)
  - Price: 8.50
- Thermometer
  - Price: 3.95

### Sugar after Fermentation (Residual Sugar)
- Clinitest Tablets
  - Price: 12.45
- Disposable Pipets (1 mL)
  - Price: 1.60
- Test Tubes (10 mL)
  - Price: 10.75
- Test Tube Rack
  - Price: 2.30

### Safety Supplies
- Goggles
  - Price: 3.25
- Disposable Gloves
  - Price: 6.75

### Total Cost ($): 760.62

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**SUGGESTED SUPPLIERS:**
- Cynmar Corporation
  - [www.cynmar.com](http://www.cynmar.com)
- Presque Isle Wine Cellars
  - [www.piwine.com](http://www.piwine.com)
- Vinquiry
  - [www.vinquiry.com](http://www.vinquiry.com)