

Instrument Guidance for Beer Quality Labs

Example Lab Sets for Breweries		
Basic Setup	Intermediate Setup	Comprehensive Setup
<ul style="list-style-type: none"> ● Hydrometer ● pH meter ● Temperature Probe ● Microscope + Haemocytometer ● Hot/Stir Plate ● Water Bath ● Fast Orange Media ● ATP Luminometer + wands ● Bottle Crump Gauge & Can Seam Micrometer - if packaging ● Sensory Panel <p>\$3,000 USD (approx.) + additional/consumable materials</p>	<ul style="list-style-type: none"> ● <i>Basic Setup</i> + ● Digital Density Meter ● Automated Cell Counter (Oculyze) ● Autoclave (or Pressure Cooker) ● Incubator ● Anaerobic Chamber (make your own) ● HLP Media ● Zahm & Nagel Air Tester - if packaging ● Quality and Sensory Data Management Software (ex. Grist Analytics & Draughtlab Pro) <p>\$7,000 USD (approx.) + additional/consumable materials & subscriptions</p>	<ul style="list-style-type: none"> ● <i>Intermediate Setup</i> + ● Spectrophotometer ● Centrifuge ● Mechanical Shaker ● Membrane Filtration Kit ● Other Differential & Selective Media ● PCR Instrumentation ● Optical CO₂ & Dissolved Oxygen Meter - if packaging ● Can Seam Monitor - if canning <p>\$35,000 (approx) + additional/consumable materials & subscriptions</p>