



Microcentrifuge

A microcentrifuge, also called a microfuge, is used to spin small (2 ml or less) liquid samples at high speeds (generally tens of thousands times g-force). Centrifugation of small samples is important for many biological applications, such as pelleting nucleic acids or proteins from solution, microfiltration of small aqueous samples or simply to gather those last precious drops of liquid into the bottom of the tube.



Spectrophotometer

Spectrophotometry is a tool that hinges on the quantitative analysis of molecules depending on how much light is absorbed by colored compounds. Important features of spectrophotometers are spectral bandwidth (the range of colors it can transmit through the test sample), the percentage of sample-transmission, the logarithmic range of sample-absorption, and sometimes a percentage of reflectance measurement.



Water bath

A **water bath** is laboratory equipment made from a container filled with heated water. It is used to incubate samples in water at a constant temperature over a long period of time. Most water baths have a digital or an [analogue](#) interface to allow users to set a desired temperature, but some water baths have their temperature controlled by a current passing through a reader.



Accurate laboratory scales

Laboratory Scales (lab scales) from PCE are well-known for their resolution and accuracy. Weighing plates of the lab scales are made of the stainless steel. A taring function can often be used. The lab scales are available with ISO calibration certificate or verification certificate (or with both). The lab scales can be used in the laboratories, production, quality control, etc. g, and kg.



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Power pack HC

The PowerPac™ HC power supply is recommended for high-current applications; it has an output of 250 V, 3.0 A, and 300 W. The PowerPac HC power supply is the perfect choice for western blotting using any of the Bio-Rad blotting cells.



Hotplate Magnetic

IKA magnetic stirrers are the world's best-selling professional lab mixers. There is a complete range of IKA magnetic stirrers to handle various quantities, either with or without heating capabilities.



Centerfuge

A centrifuge is a device that uses centrifugal force to separate component parts of a liquid or fluid (and even gases). This is achieved by spinning the fluid at high speed within a container, thereby separating fluids of different densities (e.g. cream from milk) or liquids from solids. It works by causing denser substances and particles to move outward in the radial direction.



PCR workstation

A PCR workstation, also called a PCR hood, is a work space, enclosed on three sides, that provides a space for doing amplification of DNA and/or RNA. PCR hoods are used in biology and genetic labs so that there isn't any cross contamination between samples. PCR workstations have no circulation, which helps to prevent contamination, and UV lights for sterilization. Features that vary between PCR workstations include dimensions, whether or not there is a HEPA filter, and if they have a timer for UV sterilization, so consider which meet your needs before making a purchase.



Autoclave

An **autoclave** is a machine used to carry out industrial and scientific processes requiring elevated temperature and pressure in relation to ambient pressure/temperature. Autoclaves are used in medical applications to perform sterilization and in the chemical industry to cure coatings and vulcanize rubber and for hydrothermal synthesis. Industrial autoclaves are used in industrial applications, especially in the manufacturing of composites.



A cell culture incubator is designed to maintain a constant temperature and high humidity for the growth of tissue culture cells under a CO₂ atmosphere. Typical temperature settings range from 4°C to 50°C, and CO₂ concentrations run from 0.3 to 19.9%. Non-corrosive stainless steel interiors are standard, but some newer models feature antimicrobial copper surfaces to prevent contamination. Auto decontamination using heat or UV light is another new and attractive feature available in CO₂ incubators.