

Instruments In Lab

ASE

ASE 200 Accelerated Solvent Extractor

Company: Dionex

Description:

ASE is a fully automated system, requiring far smaller quantities of solvent than traditional methods (sonication or Soxhlet extraction). ASE also allows for the use of less hazardous solvents such as acetone and hexane in the place of methylene chloride.



Centrifuge

Centrifuge 5810R with rotors A-4-62 and F34-6-38

Company: Eppendorf

Description:

1. Speed, rcf, and radius correction values can be entered by the user.
2. Temperature: -9 to 40 °C.
3. Speed: 200 rpm to maximum speed /with 10 rpm increment
4. Selectable program memory.
5. Rapid cooling
6. 10 acceleration and 10 braking ramps for sensitive sample material.



GC

GC Agilent 6890 Series-FID and ECD with 7683 Series Injector

Company: Agilent

Description:

FID is a non-selective detector.

In the lab, we use it for oil profile analysis.

ECD is 10-1000 time more sensitive than the FID.

It is the first choice for halogenated compounds like PCBs, organochlorine pesticides, herbicides, and halogenated hydrocarbons .



Imaging System

Bio-Rad Imaging System

Company: Bio-Rad, Inc.

Description:

This machine can be used for automated image acquisition and analysis, data management.



Incubator

Isotemp Incubator, Model 550D

Company: Fisher Scientific

Description:

Total chamber capacity: 5.0 cu. ft; 2 shelves; Temp range: 30-75°C.



C25 Incubator Shaker, classic series

Company: New Brunswick Scientific

Description:

Speed: 4 – 400 rpm

Temperature: ambient+7 – 60 °C

Timer: 0.1 – 99 hr

Automatic drive-interrupt when the lid is opened.



Controlled Incubator PGR15

Company: Controlled Environments Limited

Description:

Lighting system

Protected wall with floor and drain

Air flow

Built-in computer to control temperature, light, and time.



C24 Incubator Shaker, classic series

Company: New Brunswick Scientific

Description:

Speed: 4 – 400 rpm

Temperature:

ambient+7 ~60 °C

120V 50/60 hz

Automatic drive-interrupt when the lid is opened.



Moisture Analyzer

Moisture Analyzer AND MX-50

Company: A&D Company, Limited

Description:

Can analyze moisture in 5 min.

Fast and uniform heating with halogen lamp and innovative SRA technology



Nitrogen Evaporator

OA-SYS Heating System, Nitrogen Evaporator

Company: N-EVAP 111

Organomation Associates, Inc.

Description:

With water bath

12 positions with needle valve adjusts gas flow

Height adjustable

Gas-flow gauge rang 0-5 lpm



Platform

Envirco TT table top

Company: ENVIRCO Corporation

Description:

24 inch deep work areas

A welded aluminum cabinet with exterior

finished in corrosion resistant

Perforated, anodized aluminum diffuser

screen

Quiet operation

Non-glare plastic laminated work surface

Recessed fluorescent lighting

Clear, removable acrylic side panels



Ultrasonic

FS30 ultrasonic cleaner

Company: Fisher Scientific

Description:

Liquid capacity: 4 QT

Overall dimensions (L x W x H): 8.37 x
10.37 x 6.37 in

Tank Dimensions (L x W x H): 5.5 x 9.5 x 6
in



FS140 ultrasonic cleaner

Company: Fisher Scientific

Description:

Liquid capacity: 14 QT

Overall dimensions (L x W x H): 15 x 13 x
10.5 in

Tank Dimensions (L x W x H): 9.25 x 11.75
x 8 in



UV-spectrophotometer

SPECTRAmax 190 microplate Spectrophotometer

Company: Molecular Devices Corporation

Description: For aqueous solutions, PathCheck® sensor technology senses the depth of the liquid in each microplate well, and normalizes the absorbance value to a 1-cm pathlength. The corrected absorbance is within 5% of the value obtained in a conventional spectrophotometer.



Water Bath

FisherIsotemp 220 Water Bath

Company: Fisher Scientific

Description:

* $\pm 0.24^{\circ}\text{C}$ uniformity, $\pm 0.5^{\circ}\text{C}$ accuracy and stability at 37°C * Display shows $^{\circ}\text{C}$ or $^{\circ}\text{F}$;
* 20L capacity; Hinged acrylic cover; 120V 50/60Hz, 8.3A



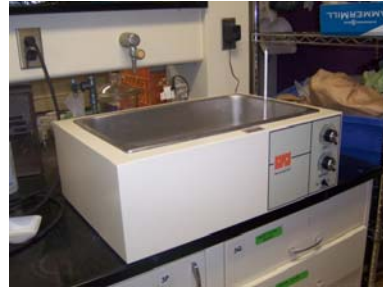
Model 203 Water Bath

Company: NAPCO

Description:

All Stainless Steel Water Bath.

Inside dimensions: $19\text{-}1/2\text{'}$ x $11\text{-}1/2\text{'}$ x 6' d;
Outside dimension: 25' x 14' x 10' d.



HPLC

Waters 600 HPLC

Company: Waters

Description:

Waters 600 Quat Pump
Waters 600 Controller(LCD)
Waters 717 plus Autosampler
In-line degasser
2140 Reflective Index Detector

