

## **Capital Equipment (items valued at >\$5000) list for Nutrition, Dietetics and Food Science**

**Feb 2024**

### **Individual labs**

Microscope

Polarized light microscope

Water activity meter

Nuaire hood

Microplate reader (multiple)

Luminometer

PCR system

Incubator

Centrifuge (multiple)

Ultracentrifuge

Gel Doc XR system

Lab chopper system

Lab mixing extruder

Infrared spectrophotometer

Spin coater

Bio-assay reader

Sterilizer

Centrifuge (multiple)

Ultrasonic processor (multiple)

Liquid chromatograph

Microbore HPLC system

Ultrasonic processor

Integrated speed vac system

Shaker with platform

Spectrophotometer (multiple)

Spectrophotometer UV  
Particle size analyzer  
Cryostat knife  
Ion beam sputterer  
Texture analyzer  
Compact modular rheometer  
Tribology with cell measuring system  
Powder rheometer  
Litesizer  
Compact titrator  
ELSD  
Gas chromatograph (multiple)  
Nanodrop spectrophotometer (multiple)  
Titrator  
Tray dryer  
Spray dryer  
Nanoparticle analyzer  
Oxymax calorimeter  
Refractive index detector  
Refridgerated circulator  
Emulsion stability analyzer  
Microscope with camera  
Ultrasonic analysis system  
Differential Scanning calorimeter  
Water drop analyzer  
Rheometer  
Scraped surface heat exchanger  
Rancimat  
Power X-ray diffraction

High-pressure homogenizer  
Flourescence attachment  
Microplate spectrophotometer  
XPF analyzer  
Chroma meter measure head  
UVP chemstudio touch image  
Bio stat  
Refrigerated shaker  
Uniamp  
Continuoue flourescence  
Thermo cycler  
Bioanalyzer  
Bead mill  
Cotton candy machine

### **Research Kitchen**

Electric combi oven (x2)  
Freezer  
Freeze dryer

### **Dairy Production Laboratory**

Ice cream cup filler  
Cheese cutter  
Cheese grinder  
Small batch freezer  
Walk-in cooler growth chamber  
Microwave drying system  
600 gallon process tank

Cheese vats

Cheese curd mill

Homogenizer

Commercial continuous freezer

Bag filler

Cup filler

Vacuum packager

Pallet jack

Yogurt tank

### **Chocolate Factory**

Roaster

2-roll refiner

Winnower

Stone melangeur (3 x 60 kg + 8 x 3 kg)

Hydraulic cocoa press

Continuous tempering machine

Melanger (multiple)

Temperer/depositor (multiple)

Finn Coater

Pan coater

Disk mill

Hammer mill

Chocolate packaging machine

### **Meat Laboratory**

Bowl cutter

Vacuum tumbler

Stuffer

Patty machine

Smokehouse

Vacuum package machine

Sausage stuffer

Injector pickle

**Shared equipment**

Freezers (multiple)

Autoclave sterilizer

**Center for Human Nutrition Studies**

Benchtop centrifuge

Monochromator

Tissue lyser

Rotary evaporator

Microscope with camera

Protein array system

HPLC system

Thermal cycler mastercycler

Positive pressure well plate

Solvent evaporator