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INSTRUMENTATION

VWR -20° C UNDER COUNTER LAB FREEZER 5 ft³

- Hermetically Sealed Compressor
- Temperature Control (-12 degrees C to -20 degrees C)
- Exterior Dimensions: 33.5"H x 21.25" W x 26.5" D
- Interior Dimensions: 28.5"H x 18.8" W x 15" D
- Total Capacity: 5.0 cu. ft.
- Shelf area: 6.0 sq. ft. (2 fixed)
- Manual Defrost Operation
- Integrated door handle

NSN # 4110-02-S01-3050
Price \$795.00



THERMO FORMA-86C ULT FREEZER

Exterior Width F-B
Height
17.3 Cu.Ft.
Exterior Dimensions -Width 33.3"
Front - Back 37"
Height - 77.8"

- NEW HANDLE OFFERS ONE HAND OPENING
- EXPANSION TANK FOR FAST RECOVERY
- TRIPLE POINT GASKET TO MINIMIZES AMBIENT TEMPERATURE TO INTERIOR - REDUCING FROST BUILD UP
- FRONT TO BACK AIR CIRCULATION
- AUTOMATIC VOLTAGE COMPENSATOR
- TWO CONDENSER FANS FOR INCREASE HEAT REMOVAL

MODEL 8604
NSN # 4110-03-S01-3050



SO-LOW LABORATORY FREEZER TO -20°C PREMIER MODEL DHW 20-20MDP

- 19.7 Cubic Ft. (558 liters) Upright - Temperature Range: -20°C / Solid Door
- Specifications:
- * Capacity 19.7 cubic ft. / 558 liters
 - * Temperature Range -20° C
 - * Dimensions

- Exterior	w x d x h	33" x 27.5" x 76.5"
Internal	w x d x h	28" x 16.25" x 56"
 - * MANUAL DEFROST
 - * DIGITAL TEMPERATURE CONTRAL
 - * AUDIO AND VISUAL ALARM WITH BATTERY BACK UP
 - * R 134A REFRIGERATION SYSTEM
 - * 6 IN-DOOR SHELVES
 - * 4 SHELVES
 - * BOTTOM GLIDING BASKET
 - * INTERIOR LIGHT
 - * KEY LOCK
 - * 115 VOLT, 60 HERTZ, 1 PHASE
 - * OPTIONAL 7- DAY RECORDER W/6" CHARTS

NSN # 4110-05-S01-3050

METTLER AB 135-SDU DELTA RANGE

- | | |
|------------------|-------------|
| Maximum Capacity | Readability |
| 120g x | .1mg |
| 31g x | .01mg |
- * Reduced Footprint: 30% less bench space required
 - * Toggle between "g" or "mg" display
 - * Internal Calibration
 - * Vibration adapter adjusts the balance to your environment.
 - * Automatic. 1 mg or .01mg readability detection.
 - * Size: 9.625 in W x 12.625in D x 13.5 in H
- NSN # 6670-00-S00-2020

Mettler Toledo PB3002-SDR Delta Range

- | | |
|------------------|-------------|
| Maximum Capacity | Readability |
| 3100g x | .1g |
| 600g x | .01g |
- * Delta Range-A ten times more accurate fine range that can be recalled any time throughout the full capacity of the balance, simply taring.
 - * Chemically resistant housing, also against acetone
 - * Dynamic Weighing Permits weighing under difficult conditions such as weighing lab animals or evaporating liquids.
 - Overload protection
 - Size: 9.625 in W x 12.625 in D x 3.5 in H
- NSN # 6670-00-S00-2010





ZEISS Axiostar Plus Upright Microscope

A Genius in Economy

Developed for Practices, laboratories, for universities and training courses, for medicine, pharmacology and biology, for chemistry and the environmental sciences: Axiostar plus, designed to make your daily work easier, giving you the benefits in ergonomics, flexibility and stability you've always wanted. A microscope that will grow with your requirements - right up to the demands of advanced fluorescence microscopy. And one of the best things about Axiostar plus is the price. You'll be surprised at how affordable the outstanding Carl Zeiss quality is. Your decision for Axiostar plus is a long - term decision for an intelligent investment. For years to come.

- Comfort: easy and fatigue-free operation
- Individual solutions: you only pay for what you need
- Safe investment: open for upgrades - right up to advanced fluorescence microscopy
- Quality: renowned Carl Zeiss quality at all levels
- Package includes 5, 10, 40, and 100x objectives for brightfield applications.

NSN # 6650-04-S01-5070



ZEISS Stemi 2000-C Stereomicroscope

The Stereomicroscope Stemi 2000 meets your demands in two respects. On the one hand it offers the low-price advantage common with Greenough-type instrument, on the other hand it features a performance that will surely surprise you:

- The optical system of the Stemi 2000 images your specimens exactly true to nature: Brilliantly sharp, absolutely free of distortions and - even at low powers - at very high resolving power
- The extremely wide 7.7:1 zoom range (pancratic system 0.65x...5.0x) zooms them in a hardly any other stereomicroscope of this class can do.
- The Stemi 2000 provides ample space for illumination and manipulation. Usefully graded interchangeable optics ensure necessary freedom of movement and ideal overview.
- With the Stemi 2000 you can view a compact disc as a whole. Its 0.3x attachment lens system permits object fields of up to 118 mm to be viewed.
- Package includes both transmitted light and reflected light illumination and camera port for use with multiple digital, video, and 35mm camera attachments.

NSN # 6650-03-S01-5050



44-9 Pancake

"C" Connector

The 44-9 probe is used for alpha-beta-gamma detection. It has 12 cm² open area with typical efficiency of 5 % for C -14, 22% for Sr -90/Y-90 and 15% Pu-239. Gamma sensitivity is 3300 cpm/mR/hr for Cs-137

NSN # 6665-01-S02-9000

Model 3 Survey Meter

New rugged designs include upgraded state-of-the-art electronics. A new type handle, battery compartment and meter bezel is included. This is absolutely the best selling and most popular GM-scintillation survey meter available today. Most Ludlum GM or scintillation probes can also be used with this meter. The probe shown is a model 44-9.

NSN # 6665-00-S02-9000



Low Energy Gamma Scintillator

Ludlum 44-3 Low Energy Gamma Probe

The Model 44-3 low energy gamma scintillator is designed for detecting I -125 and X-rays. The window is 14 mg/cm² mylar with a 5 cm² active area. Efficiency is typically 38% or 675,000 cpm/mR/hr for I -125. The energy range is between 10 ke V and 60 ke V. Efficiency decreases above or below these energies due to thin crystal and window absorption, respectively.

NSN # 6665-02-S02-9000

ZEISS Axiovert 40-C Inverted Microscope

Axiovert 40-C - inverted microscope technology that offers you much more than you have ever expected from a microscope in this category. You will be impressed by the outstanding quality, and functionality. Axiovert 40-C has been designed to make lab work as easy and safe as possible - thus increasing the efficiency of your workflow. Your advantage: more time for the observation.

- Powerful 35 watt lamp improves the brightness in transmitted light in all contrasting techniques (lamp life >800hrs)
- 0.4 NA condenser provides brightfield, phase contrast, and VAREL (variable relief contrast) with an optional PlasDIC upgrade
- Stable sliding rail design enables removal of condenser from the light path for use with large vessels such as roller bottles
- Front camera port allows for adding various digital, video and 35mm camera attachments
- Package includes world-renowned 5, 10, and 20x Zeiss long Working distance objectives

NSN # 6650-02-S01-5170





Hotpack Undercounter Refrigerator

5.5 Cubic Feet
 120 Volts
 Adjustable: 3 to 7 Degrees
 Maximum Storage
 Small Freezer Compartment
 Baked Enamel Finish
 Exterior : W 24 1/2" X D 27" X H 25"
 Interior : W 20 1/2" X D 20 1/2" X H 22 1/2"
 Shipping Weight : 180 lb
 NSN # 4110-00-S01-3030



SORVALL® Pico Microcentrifuge

- Ultra compact size (8" H x 10" W x 13" D)
- Variable speed
- 13,000 rpm (16,060 x g)
- Acceleration < 15 seconds
- Deceleration < 12 seconds
- Snap-on and biocontainment rotor lids
- 24 x 1.5/2ml microtube capacity
- Whisper - quiet brushless drive

NSN # 6695-04-S12-2010



New SORVALL® Legend™ RT Refrigerated Tabletop Centrifuge Package

Note: package includes: centrifuge, rotor, buckets and 8 adapters (4-50ml+4-15ml)

- Extremely quiet operation
- Large 4 x 750 ml capacity
- 9 brake settings
- Biocontainment system available
- Max. speed with rotor 4,150 rpm
- RCF or speed set
- 4 EASY set™ programs
- Brushless motor
- Plastic adapters and microplates must be purchased through Kendro
- Additional rotors with 'g' s up to 21,890 available through Kendro
- Small footprint on bench, Only 13" H x 28" W x 24" D

NSN # 6695-03-S12-2040



Heraeus® HERAcCell® 150 CO2 Incubator

Note: New 2 year total warranty

New to the NIH stock !

- Capacity, 5.4 cu.ft of working space external dimensions (34" H x 25" W x 30" D)
- 90°C automatic decontamination cycle proven to eliminate mycoplasma, bacteria, fungus and yeast
- Stainless steel interior with 50% fewer contamination prone surfaces than competitive models
- Temperature control range 3°C - 55°C
- Airjacketed for faster recovery and set-up times
- Large display for easy viewing
- Pull-out storage tray or extended work surface
- constant humidity > 95%
- TCD sensor
- Humidity low-water alarm
- Stacking frame available (NSN# 4110-06-S01-3010)

NSN # 4110-05-S01-3010



SORVALL® Fresco Refrigerated Microcentrifuge

- Ultra compact size (12" H x 11" W x 18" D)
- Variable speed
- 13,000 rpm, (16,060 x g)
- Temperature range - 9°C - +40°C
- CFC-free refrigeration
- Snap-on and biocontainment rotor lids
- 24 x 1.5/2 ml microtube capacity
- Whisper-quiet brushless drive

NSN # 6695-06-S12-2030



Stacking Frame for Heraeus Heracell 150 CO2 incubator

Note: Stacking Frame is included when purchasing when purchasing two of the above incubators. If a single incubator is ordered and you require a stacking frame you must purchase the stacking frame separately

NSN # 4110-06-S12-3010



REVCO® ULT- 2586- 9SI- A- 86°C Upright Freezer (115 V, 20 A)

12 Racks included at no charge

New to NIH Stock !

Super Insulated 25 cu. ft. capacity with footprint of a 21 cu. ft. conventional freezer

- Low-profile upright cabinet
- Exterior dimensions: 77.6" H x 37.2" D x 44.0" W
- CryoLatch™ ultra-reliable, heavy-duty latch assembly with key access and padlock provision
- IntrLogic™ microprocessor controller
- Set point security for protection of temperature and alarm set points
- Lifeguard compressor protection monitors performance
- Low voltage indicator
- Center mounted controls provide accurate temperature readings
- 2 years parts and labor warranty and a total of 5 years on the Compressors

NSN # 4110-04-S01-3050

Bio-Rad iCycler Thermal Cycler

1-year warranty

NEW in SEIB !!!!

96 x 0.2ml gradient block Interchangeable blocks

Intuitive user interface with graphical temp

Upgradable to real-time PCR by adding optical

NSN # 6685-03-S02-5160

Bio-Rad Power Pac HC

3-year warranty

250V, 3.0A, and 300W 1 method, up to 3 steps

NSN # 6625-03-S02-0060

Bio-Rad Power Pac 1000

3 - year warranty

1000V, 500mA, 250 W

NSN # 6625-05-S02-0060



Bio-Rad Power Pac 3000

3-year warranty

3000V, 400mA, 400 W

Stores 9 methods, each with 9 steps

NSN # 6625-01-S02-0060



Precision Model 283 Water Bath

- 3.2 gallon/12 liters
- Digital LED display
- Maximum temp: 99.9° C
- Chamber dimensions: 11.5"L x 12.5"W x 6"H
- Exterior dimensions: 15.25"L x 14.75"W x 9.7"H
- Stainless steel interior chamber
- Stainless steel gable cover included
- Warranty - 1 year parts and labor with additional 6 months for sending in Warranty card

NSN # 6640-02-S02-4050

Precision Model 281 Water Bath

- 0.7 gallon/2.5 liters
- Digital LED display
- Maximum temp: 99.9° C
- Chamber dimensions: 6"L x 5"W x 9.7"H
- Exterior dimensions: 9.75"L x 8"W x 9.7"H
- Stainless steel interior chamber
- Polypropylene gable cover included
- Warranty - 1 year parts and labor with additional 6 months for Sending in warranty card

NSN # 6640-01-S02-4050

Precision Model 280 Water Bath

- 0.4 gallon/1.5 liters
- Digital LED display
- Maximum temp: 95.0° C
- Chamber dimension: 6"L x 11.5"W x 2"H
- Exterior dimension: 8"L x 14"W x 6.7"H
- Seamless stainless steel interior chamber
- Stainless steel gable cover included
- Warranty - 1 year parts and labor with additional 6 months for Sending in warranty card

NSN # 6640-00-S02-4050



Eppendorf Thermomixer R

- Thermoblock for 24 x 1.5 ml tubes included
- Temperature range from 13°C below ambient To 99°C
- Adjustable mixing speed from 300 rpm to 1,500 rpm
- Two programs allow parameters, including time, to be stored for common or successive applications
- Sort mix function
- 8.7"W x 9.8"H x 4.7"D
- Other exchangeable thermoblocks available

NSN # 6695-05-S05-8000





Analytical Balance, Sartorius Model CP225D

- Readability: 0.01/0.01/0.1mg
- Capacity: 40/80/220g
- Pan size: 80mm diameter
- Built-in, motorized calibration weight
- Glass draft shield with removable side panels and hinged cover
- 3 Year warranty

NSN # 6670-01-S00-2020



Toploading balance, Sartorius Model CP3202S

- Readability: 0.01g
- Capacity: 3200g
- Pan size: 190 x 204mm
- Automatic calibration and adjustment at the press of a key with external weights
- 3 year warranty

NSN # 6670-01-S00-2010



Eppendorf BioPhotometer

- Rapid and reliable analysis of ds/ssDNA, RNA, oligonucleotides, Proteins, and bacterial cell density/turbidity measurement
- Ready to use at all times - Xenon flash lamp
- Compact size: 8" W x 12.5"D x 4"H
- Measurement takes approx. 2 seconds
- Two year warranty
- Programmed methods: ssDNA, dsDNA, RNA, Oligos, Protein OD 600, and Lowry, Bradford and BCA (plus micromethods)
- Automatic calculation of sample dilution
- Thermal printer included - no charge

NSN # 6650-00-S02-2010

Applied Biosystems GENEAMP PCR SYSTEM 9700 Gold-Plated Silver 96 well block 0.2ml

- Small footprint
- Simple graphical programming, easy to operate keypad, Integral Tm calculator
- Optional interchangeable Blocks
- Oil - free PCR - heated lid for uniform heat distribution
- Max mode - heat / cool 5°C / sec
- 9600 emulation mode, 50 µl
- Volumes up to 100 µl
- 2 year warranty

NSN # 6685-02-S02-5160



Applied Biosystems GENEAMP PCR SYSTEM 2700 Aluminum 96 well block 0.2ml

- Small footprint - personal thermal cycler
- Simple graphical programming, easy to operate keypad, integral Tm calculator
- Oil-free PCR - heated lid for uniform heat distribution
- Standard mode - heat / cool 2.3°C/ sec
- Volumes up to 100 µl
- 2 year warranty

NSN # 6685-04-S02-5160

Allegra® X-22R Refrigerated Benchtop Centrifuge

- Compact footprint ONLY 18" wide
- Accepts samples from 0.25mL up to 250mL
- Spins tubes, bottles, and 96 well plates
- 10 different acceleration and deceleration rates
- 22,065 x g (15,500 rpm) maximum with fixed angle rotor
- 3,901 x g (4,500 rpm) maximum with swinging bucket rotor
- 11 rotor library and biocontainment caps available through VWR

Includes swinging bucket rotor and adapters For 15 and 50 mL conical tubes

NSN # 6695-08-S12-2010



Ultrospec™2100 Pro

- With its large compartment and wide range of accessories, ultrospec™ 2100 Pro is a simple-to-use, versatile and reliable instrument for use in any laboratory
- Xenon lamp for longer life and lower running costs
- Combines basic measurement modes with graphical modes: wave length, scan absorbance changes with time, reaction rate determination, and standard curves can be displayed and printed out
- Per-set routines for DNA, RNA, oligonucleotide quantitation and purity check
- Stores up to 18 user-defined methods
- Can be upgrade with SWIFT II™ Application software to form a more powerful system
- Measures sample volumes down to 3 ul
- Includes serial and parallel outputs as standard (outputs to a wide range of printers)
- Comes with cuvette

NSN # 6650-01-S02-2010





Eppendorf Model 5415D microcentrifuge with 24 place rotor

- Digital display
- Compact 9" x 12" footprint
- Brushless motor
- Spin up to 13,200 rpm; 16,110 x g
- Quiet operation
- 2 year warranty

NSN # 6695-01-S12-2010



Eppendorf Model 5415R refrigerated microcentrifuge

- 24- place rotor included - no charge
- Digital display
- 11.4"W x 17.7"D x 9"H
- Brushless motor
- Spin up to 13,200 rpm; 16,110 x g
- Quiet operation
- 2 year warranty
- Temperature setting range from 0°C to 40°C
- Standby cooling
- Fast cool: from ambient to 4°C in max. 16 minutes
- Motorized lid latch

NSN # 6695-07-S12-2010



Eppendorf Model 5417R refrigerated microcentrifuge

- 30- place standard fixed - angle rotor included
- Spin up to 16,400 rpm; 25,000 x g
- 12.2"W x 23.5"D x 9.8"H
- Brushless, quiet motor
- Fast cool function
- Temperature control range from -9° to 40°C

NSN # 6695-02-S12-2030

