



Microscopes



Mixers



Incubators



Centrifuges



Colposcopes



Tube Management

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We welcome new product ideas and OEM projects. If you have a new product idea that you would like UNICO to consider manufacturing, please contact our Marketing department.

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Para servicio en español, diríjase directamente a nuestra página Web en donde encontrará folletos de todos nuestros productos, incluyendo nuestros espectrofotómetros, traducidos a nuestro idioma y publicados en formato PDF.

También nos encontramos a su disposición por teléfono al 609-240-5507 o por email a ventas@unicosci.com. Será un placer servirlo.

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## UNICO PowerSpin™ Centrifuge Selection Guide



C806



C822



C8604



CMH30



C881M

This guide should help you choose the right UNICO centrifuge for your specific needs.

### Speed (RPM) vs. g-Force (RCF):

The most important factor when choosing a centrifuge is the g-Force, or RCF, not the speed. The RCF determines the ability of a centrifuge to separate the specimen. Most specimens must be spun within a specific RCF range in order to properly prep the sample for testing and analysis. The guide below will help you select a model based on RCF, RPM, # of tubes, specimens and other attributes.

### CLIA, Calibration and speed checking:

Your lab or practice may be subject to CLIA regulations if what you do is considered to be "moderately complex", or "highly complex". CLIA, (Clinical Laboratory Improvement Amendment of 1988); may dictate that your centrifuges need to be "Calibrated" every 6 months. CLIA inspectors may visit your facility to make sure you are maintaining your equipment and following protocols; and that your equipment is capable of performing the protocols properly, etc.

Calibration involves using a tachometer to check the speed of your centrifuge for accuracy. CLIA inspectors will "pass" a centrifuge that operates within plus or minus 100 RPM of the actual setting. If for example, your centrifuge is set to spin at 3,400 RPM; CLIA will pass it if it is anywhere between 3,300 and 3,500 RPM; as long as your protocol calls for spinning in that range as well. To check your centrifuge you can purchase a UNICO tachometer, item # C800-75.

### Urine Sample Centrifugation:

A note of caution if you spin Urine specimens: If you have a fixed speed centrifuge, chances are very good it is set the RCF and speed for spinning blood samples only. Urine specimens must be spun at a greatly reduced RCF in order to properly prep the sample. If your facility is subject to CLIA and you spin urine samples in a blood centrifuge, the CLIA inspector may not allow the centrifuge to pass inspection. You will be asked to either stop spinning urine samples, or acquire a centrifuge capable of spinning at the correct RCF for separating urine samples.

If you would like to speak with an application specialist to help you select the right centrifuge for your applications, please contact us at: 800-588-9776, or 732-274-1155, or info@unicosci.com; ask for tech support for centrifuges.

## Digital Photo-Tachometer

- RPMs instantly display on large LCD screen
- Standard adhesive reflective tape included
- Highly accurate scientific tool, includes case



Item No.	Description
C800-75	Photo-Tachometer

Page	Model	SKU	Number of Tubes	Tube Capacity	Specimens			DNA	DNA	Speed	Rotor	Maximum RPM	Maximum RCF (g)
					Blood	Fecal	Urine	Microhematocrit	Protein				
4	FX	<b>C806</b>	6	2-15 ml	Yes	No	No	With Adapters	No	Fixed	Fixed	3400	1320
4	FX	<b>C808</b>	8	2-15 ml	Yes	No	No	With Adapters	No	Fixed	Fixed	3400	1320
4	LX	<b>C856</b>	6	2-15 ml	Yes	Yes	Yes	With Adapters	No	Variable	Fixed	300-4,000	Up to 1,828
4	LX	<b>C858</b>	8	2-15 ml	Yes	Yes	Yes	With Adapters	No	Variable	Fixed	300-4,000	Up to 1,828
5	PX	<b>C826</b>	6	2-15 ml	Yes	No	No	With Adapters	No	Fixed	Fixed	3,500	1,640
5	PX	<b>C828</b>	8	2-15 ml	Yes	No	No	With Adapters	No	Fixed	Fixed	3,500	1,640
5	HX	<b>C822</b>	6	2-15 ml	Yes	No	No	With Adapters	No	Fixed	Horizontal	3,400	1,680
6	MX	<b>C8624</b>	24	2-15 ml	Yes	Yes	Yes	With Adapters	No	Variable	Fixed	1,000-3,400	1,750
6	MX	<b>C8606</b>	6	2-15 ml	Yes	Yes	Yes	With Adapters	No	Variable	Horizontal	1,000-3,400	1,796
6	MX	<b>C8660</b>	4	60 ml	60 mL	No	No	No	No	Variable	Fixed	1,000-3,400	1,750
7	MX	<b>C8604</b>	4	2-50 ml	Yes	Yes	Yes	With Adapters	No	Variable	Horizontal	1,000-3,400	1,796
7	CMH	<b>CMH30</b>	24	Capillary	MH	No	No	Yes	No	Fixed	Horizontal	12,000	14,075
8	BX	<b>C881</b>	6	2-12 ml	Yes	Yes	Yes	With Adapters	No	Variable	Fixed	5,000	2,570
8	BX	<b>C882</b>	24	Capillary	MH	No	No	Yes	No	Variable	Horizontal	11,000	13,250
8	BX	<b>C883</b>	24	0.5-3 ml	Yes	No	No	No	Yes	Variable	Fixed	13,000	15,495

#### How to calculate RCF:

RCF = Relative Centrifugal Force (also known as "G-Force")

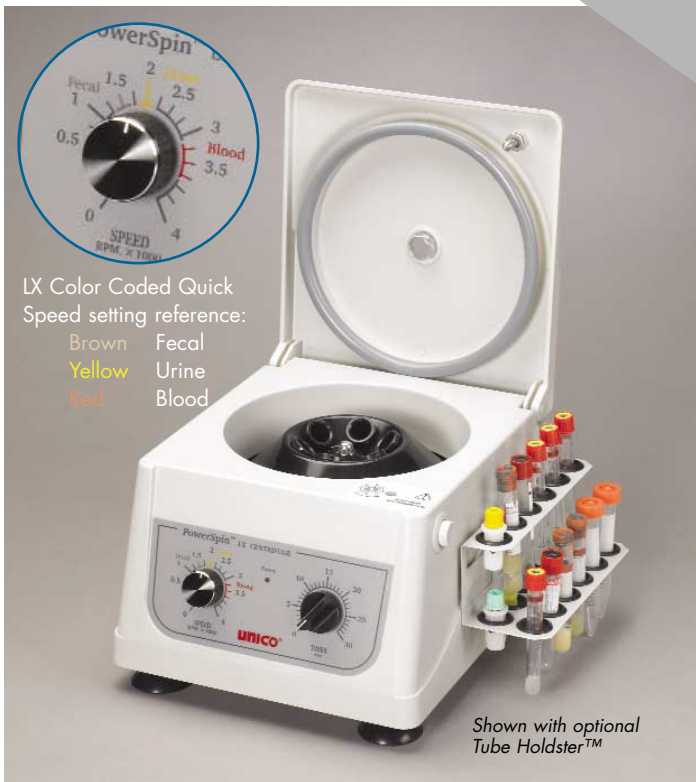
Centrifuge RCF Calculation:  $RCF = 1.12 \times R(\text{mm}) \times K\text{rpm} \times K\text{rpm}$

where R: Centrifuge rotor radius (mm) and Krpm: Centrifuge speed in thousands

Example: If rotor radius is 102mm, speed is 3.4Krpm (3400rpm), then  $RCF = 1.12 \times 102 \times 3.4 \times 3.4 = 1320g$

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LX Color Coded Quick Speed setting reference:

- Brown Fecal
- Yellow Urine
- Red Blood

Shown with optional Tube Holdster™

**C856 Model LX Centrifuge**

Actual Size: 10.2" x 11.8" x 8"  
 Shipping Dimension: 13.4" x 14.8" x 10.6"  
 Net Weight: 15 lbs  
 Shipping Weight: 18 lbs



**C806 Model FX Centrifuge**

**PowerSpin™ Centrifuges, Models FX and LX**

UNICO® PowerSpin™ Series centrifuges are compact, economical and quiet. We offer both fixed (FX) and variable (LX) speed models with fixed angle rotors, for 6 or 8 tubes to spin 7.5 – 15 ml tubes. By using adapters, you can also spin tubes ranging from 2 – 7 ml. An optional Tube Holdster™ allows you to have up to 18 tubes or adapters at your fingertips, side-mounted on the centrifuge. PowerSpins are pre-drilled/tapped to accept optional Tube Holdsters.

**Specifications:**

- Standard 6 or 8 place rotor for 2 to 15 ml tubes
- Adapters for 2 ml or 4-7 ml tubes (part # C800-04 & C800-03)
- 0-30 minute timer with bell tone signal
- Quiet at full speed, only 58 decibels
- Latching lid with safety switch triggered to shut-off power to the motor when the lid is opened
- Stainless Steel rotor chamber is easily accessible for cleaning and disinfection
- Maintenance-free brushless motors
- Suction cup rubber feet for stability while reducing vibration
- Lid window for strobe tachometer RPM check
- One Year Limited Warranty

Item No.	Description
C806	FX, 6 Place Fixed Speed Centrifuge, 3400 rpm
C806H	FX, C806 with Tube Holdster
C808	FX, 8 Place Fixed Speed Centrifuge, 3400 rpm
C808H	FX, C808 with Tube Holdster
C856	LX, 6 Place Variable Speed Centrifuge, 300 - 4000 rpm
C856E	LX, 6 Place, same as above, 220V
C856H	LX, C856 with Tube Holdster
C856H-E	LX, C856E with Tube Holdster, 220V
C858	LX, 8 Place Variable Speed Centrifuge, 300 - 4000 rpm
C858E	LX, 8 Place, same as above, 220V
C858H	LX, C858 with Tube Holdster
C858H-E	LX, C858E with Tube Holdster, 220V
C800-01	8 Place Rotor for PowerSpin Centrifuges
C800-02	Tube Shield, Pkg. of 2
C800-03	Short Tube Adapters, for 4-7 ml tubes, Pk/10
C800-04	Small Tube adapters, for 2 ml tubes, Pk/2
C800-05	Greiner Tube Lift Adapters, Pk/12
C800-18	Tube Holdster, 18 Place

PowerSpin™ Model	FX C806 / C808		LX C856 / C858		HX C822		PX C826 / C828	
	RPM	RCF	RPM	RCF	RPM	RCF	RPM	RCF
Rotor radius	102 mm		102 mm		130 mm		102 mm	
Fecal Speed	N/A		1400	224	N/A		N/A	
Fecal Time	N/A		10 minutes		N/A		N/A	
Urine Speed	N/A		2000	456	N/A		N/A	
Urine Time	N/A		5 minutes		N/A		N/A	
Blood Speed	3400	1320	3100/4000	1097/1828	3400	1680	3500	1640
Blood Time	10-15 minutes		10 minutes		10 minutes		10 minutes	

RPM = Revolutions Per Minute  
 RCF = Relative Centrifugal Force (also known as "G-Force")

## PowerSpin™ PortaSpin™ Centrifuge, PX Mobile

The PortaSpin PX allows you to take your practice on the road. Whether you are a mobile vet, visiting nurse or doctor, we have a PortaSpin that will meet your needs. Available with 6 or 8 place rotors and adapters to fit tubes ranging from 2 – 15 ml. Standard with 12 Volt car lighter adapter, a 110V electrical outlet adapter is optional for use back at the lab.

When using this unit you will most likely not be in your lab setting so you will not have your standard bench-top tube rack. We strongly recommend purchasing the optional Tube Holdster, attaches easily to the side of the centrifuge and will hold up to 18 tubes or adapters.

Item No.	Description
C826	PX, PortaSpin 6 Place Mobile Centrifuge
C826H	PX, PortaSpin 6 Place Mobile Centrifuge with Tube Holdster
C828	PX, PortaSpin 8 Place Mobile Centrifuge
C828H	PX, PortaSpin 8 Place Mobile Centrifuge with Tube Holdster
C826-06	PX, PortaSpin 12V DC Car Adapter
C826-12	PX, PortaSpin 110V AC Adapter
C826-12E	PX, PortaSpin 220V AC Adapter
C800-03	Short Tube Adapters, for 4-7 ml tubes, Pk/10
C800-04	Small Tube adapters, for 2 ml tubes, Pk/2
C800-05	Greiner Tube Lift Adapters, Pk/12
C800-10	Fuse for PowerSpin Centrifuges
C800-18	Tube Holdster, 18 Place

## PowerSpin™ Centrifuge, HX Horizontal Spin

The horizontal spin fixed speed PowerSpin™ HX centrifuge spins at 3400 RPM. The horizontal rotor insures a clean, complete separation of cellular components. Using a horizontal rotor for spinning Serum Separator Tubes (SSTs) creates a tight uniform horizontal seal, reducing the risk of red cell leakage.

The C822 features a Zero RPM safety lock, so the lid can not be opened while the rotor is in motion. A digital timer and LCD display provide user with the precise control of the spin cycle. Powerful brushless motor is maintenance free for years of dependable use. Stainless steel guard bowl is easy to clean and maintain.

### Specifications:

- Horizontal Six place rotor for 2 to 10 ml tubes
- Quiet at full speed, only 58 decibels
- Stainless Steel chamber for easy cleaning and disinfection
- HX models run at fixed speed 3400 RPM
- 0-99 minute digital timer
- Suction cup rubber feet add stability while reducing vibration
- Lid window for strobe tachometer RPM check
- One Year Limited Warranty

Item No.	Description
C822	HX, 6 Place Horizontal Spin Centrifuge
C822-01	6 Place Swing Out Rotor
C822-02	Tube Shield, Pkg. of 2
C800-03	Short Tube Adapters, for 4-7 ml tubes, Pk/10
C800-04	Small Tube adapters, for 2 ml tubes, Pk/2
C800-34	Microhematocrit Adapters, 4 tubes each, Pk/2



### C826H Model PX PortaSpin™

Actual Size: 10.2" x 11.8" x 8"  
Shipping Dimension: 13.4" x 14.8" x 10.6"  
Net Weight: 15 lbs  
Shipping Weight: 18 lbs

PortaSpin features a level built into the lid to make sure you are level before and during your run. A sturdy stainless steel handle makes carrying the centrifuge easy.



### Specifications:

- Designed for the professionals on the go
- Plugs into a car 12V power outlet
- 3500 RPM fixed speed for blood
- 30 minute timer
- Convenient stainless steel carrying handle
- Lid mounted "fish-eye" level to level before spinning
- Optional AC power adapter available
- One Year Limited Warranty

Actual Size: 14.4" x 11.6" x 8.9"  
Shipping Dim.: 16.5" x 13" x 10"  
Net Weight: 22 lbs  
Shipping Weight: 25 lbs



### C822 Model HX Horizontal Centrifuge



### C800-34 Microhematocrit Adapters



C8600-34 Microhematocrit tube adapters hold up to four tubes each. Supplied in a Pk/2.



**C8606**

## C8606: Horizontal Spin, 6 Place

The Six (6) place C8606 is a swinging bucket centrifuge for 2-15ml tubes, or Microhematocrit with adapters. Horizontal spin provides a flat gel separation and increased RCF. Tube holders are vertical at rest, perfect for Fecal protocols. Spin Microhematocrit tubes with C8600-34 or C800-34 adapters.

Item No.	Description
C8606	MX, 6 Place Horizontal Spin Centrifuge
C8606H	MX, 6 Place Horizontal Spin Centrifuge with Tube Holdster
C8606E	MX, 6 Place Horizontal Spin Centrifuge, 220V
C8606H-E	MX, 6 Place Horizontal Spin Centrifuge, 220V, with Holdster
C8600-34	Adapters for four Microhematocrit tubes, with screw cap, Pk/2
C800-34	Adapters for four Microhematocrit tubes, Pk/2

## C8624: Fixed Angle, 24 Place



**C8624**

A high-capacity unit, 24 places featuring an all-metal rotor designed for 2-15ml tubes.

This model becomes a Microhematocrit centrifuge with C8600-34 or C800-34 Microhematocrit tube adapters.

Item No.	Description
C8624	MX, 24 Place Variable Speed Centrifuge
C8624H	MX, 24 Place Variable Speed Centrifuge with Tube Holdster
C8624E	MX, 24 Place Variable Speed Centrifuge, 220V
C8624H-E	MX, 24 Place Variable Speed Centrifuge, 220V with Tube Holdster

## Features common to

The PowerSpin MX series (C8604, C8606, C8624, and C8660) features a large, spacious stainless steel lined interior, all digital push-button control, variable speed 1,000-3,400 RPM and zero RPM lid latching system. MX's are available in four main versions, fixed angle and horizontal spin rotors. All MX's feature maintenance-free brushless motors and suction cup rubber feet.

- Variable speed: 1,000-3,400 RPM; 100 RPM increments
- Stainless Steel Guard bowl and lid liner
- Zero RPM lid latch control system (safety plus)
- Real time digital display: RPM, RCF & Run time count down
- Remembers last setting(s) for easy-repeat runs

## MX Rotor Options

Optional MX Centrifuge Rotors and accessories. Rotors are interchangeable on all UNICO MX Model Centrifuges

Item No.	Description
C8600-02	4 Place 50 ml Horizontal Rotor
C8600-05	4 Place, 60 ml Syringe Rotor, Fixed Angle
C8600-01	6 Place, 2-15 ml Horizontal Rotor
C8600-03M	24 Place, 2-15 ml Fixed Angle Rotor, Metal

## C8660: Fixed Angle, 4 Place 60 ml Syringe Centrifuge



**C8660**

A special application model designed to spin up to four, 60 ml syringes at a time. Applications include Cosmetic surgery and veterinary medicine (IRAP). The special rotor design allows direct spinning of syringes.

Item No.	Description
C8660	MX, 4 Place for 60ml Syringes
C8660E	MX, 4 Place for 60ml Syringes, 220V

## MX Series Centrifuges

- 60-minute digital timer with tone signaling end
- Suction cup rubber feet secure to bench top
- Lid window for quick and easy tachometer calibration
- Four rotor options for incredible versatility
- Drilled and tapped to accept 24-Place Tube Holdster
- Available in 110V and 220V versions
- One Year Limited Warranty
- Dimensions:  
*Actual Size: 13.75" x 15" x 11"*  
*Shipping Dimension: 18" x 19" x 15.5"*  
*Net Weight: 31 lbs*  
*Shipping Weight: 36 lbs*

• Spin any size tube up to 50ml  
 • May be the ONLY centrifuge your practice needs



**C8604 The ONE**

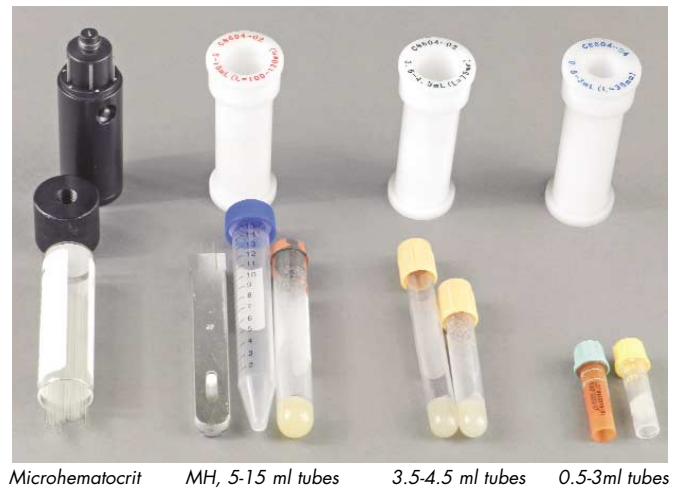
## C8604: 4 place, up to 50 ml Centrifuge

A truly extraordinary model, this versatile unit can spin every type of tube from 0.5 – 50 ml. This very well may be the ONE single centrifuge your practice needs. If you also need to spin 60 ml Syringes, simply purchase the Syringe rotor (C8600-05). Standard horizontal swinging buckets hold 50 ml tubes. A wide variety of tube adapters are available.

The 4 place, swinging bucket rotor provides a flat, horizontal separation of the specimen, or SST gel. Capable of holding tubes ranging in size from 0.5- 15 ml and Microhematocrit (Capillary tubes). The tube holders are vertical at rest, allowing the use of cover slips with Fecal Protocols.

Spin any size tube in your C8604 with the adapters shown below.

C8604-36 C8604-02 C8604-03 C8604-04



Item No.	Description
C8604	MX, The One, Four-place 50ml rotor, swinging bucket
C8604-10	MX, C8604 with complete set of Tube Adapters (C8604-2, C8604-3, C8604-4 and C8604-36) to spin any size tube
C8604-02	Adapters for 5-15 ml tubes, Red lettering, Pk/2
C8604-03	Adapters for 3.5-6.5 ml tubes, Green lettering, Pk/2
C8604-04	Adapters for 0.5-3 ml tubes, Blue lettering, Pk/2
C8604-36	Adapters for six Microhematocrit tubes, with screw cap, Pk/2
C800-34	Adapters for four Microhematocrit tubes, Pk/2
C8600-18	Tube Holdster, 24 Place
C800-02	Tube Shield, Pkg. of 2
C800-03	Short Tube Adapters, for 4-7 ml tubes, Pk/10
C800-04	Small Tube adapters, for 2 ml tubes, Pk/2
C800-10	Fuse for PowerSpin Centrifuges



C8604-02 adapters for 5-15ml tubes, pk/2



C8604-02 shown with 15ml tubes



C8604-04 adapters for 0.5-3ml tubes, pk/2



C8604-02 adapters will hold C800-34 Microhematocrit tube adapters



C8604-03 adapters for 3.5-4.5ml tubes, pk/2



C8604-36 Microhematocrit tube adapter being loaded

## PowerSpin™ Centrifuge, BX



**C881**

The BX is a versatile, state of the art variable-speed centrifuge series with three rotor options.

Options are:

- Blood/Urine Tube, 2-12 ml Rotor: Max Speed = 5,000 RPM
- Microhematocrit/Capillary Tube Rotor: Max Speed = 11,000 RPM
- Microcentrifuge Tube, 0.5-3 ml Rotor: Max Speed = 13,000 RPM

Your BX can be a dedicated centrifuge with any one of the rotors, or a versatile addition to your lab with up to three interchangeable rotors with speeds from 1,000 – 13,000 RPM.

BX Centrifuges have advanced safety features such as a Zero RPM lid latch control system (which makes sure the lid can not be opened if the rotor is spinning), a stainless steel rotor chamber, Auto-unbalance detection and shut-down (will shut-down the motor if an off-balance condition is detected). With three interchangeable rotors, the centrifuge features ARD (Automatic Rotor Detection), the unit can automatically tell which of the three rotors are loaded. This is an important safety feature as each of the three rotors has a different maximum speed.

The Microhematocrit rotor features a Tube Reader built-into the rotor lid. This makes reading crit values quick and easy after your run, without having to remove the tubes and place them in a reader, or on a reader-card, etc. The standard Blood & Urine tube rotor fits 7.5 – 12 ml tubes and will not accept 15 ml tubes. With adapters shown below, you can spin 0.5 – 3 ml tubes (C800-04), or 3.5 – 6.5 ml tubes (C800-03).

### Specifications:

- Variable speed up to 13000 RPM (up to 5000 RPM on C881)
- Zero RPM Safety Lock and Rotor Unbalance Sensor
- Automatic Rotor recognition
- Digital Timer 0-99 minutes
- Maintenance free brushless motor
- Exterior is chemical resistant and easy to clean and disinfect
- Lid window for strobe tachometer RPM check
- Standard 115V/60Hz; (220V/50Hz option available)
- One Year Limited Warranty

### Item No. Description

C881M	BX, 6 Place Fixed Angle Metal Rotor Centrifuge
C881ME	BX, 6 Place, Fixed Angle Metal Rotor Centrifuge, 220V
C882	BX, 24 Place Hematocrit Centrifuge
C882E	BX, 24 Place Hematocrit, same as above, 220V
C883	BX, 24 Place Micro-Tube Centrifuge
C883E	BX, 24 Place Micro-Tube, same as above, 220V
C884	BX, 6 Place Tube rotor & 24 Place Microhematocrit
C884E	BX, 6 Place Tube rotor & 24 Place Microhematocrit, 220V
C885	BX, All three available rotors, 110V
C885E	BX, All three available rotors, 220V
C886	BX, 24 Place Microhematocrit & 24 Place Microcentrifuge
C886E	BX, 24 Place Microhematocrit & 24 Place Microcentrifuge, 220V
C887	BX, 6 Place Tube rotor & 24 Place Microcentrifuge
C887E	BX, 6 Place Tube rotor & 24 Place Microcentrifuge, 220V
C881-03	Short Tube Adapters, for 4-7 ml tubes, Pk/10
C881-04	Small Tube adapters, for 2 ml tubes, Pk/2
C800-34	Adapters for four Microhematocrit tubes, Pk/2
C8600-34	Adapters for four Microhematocrit tubes, Pk/2
C800-512	12 ml Conical Urine Tube, 16 x 100 mm, Pk/12
C800-550	12 ml Conical Urine Tube, 16 x 100 mm, Pk/50
C800-500	12 ml Conical Urine Tube, 16 x 100 mm, Pk/500



Digital LCD display and push button control panel are designed to give the user complete control throughout the spin cycle.

- The "Open" button is disengaged while the rotor is in motion
- LCD mode button will adjust displayed data according to your preferences

PowerSpin™ Model	BX C881		BX C882		BX C883	
Rotor radius	92 mm		86 mm		82 mm	
	RPM	RCF	RPM	RCF	RPM	RCF
Fecal Speed	1600	263	N/A		N/A	
Fecal Time	10 minutes					
Urine Speed	2000	411	N/A		2300	485
Urine Time	5 minutes					
Blood Speed	5000	2570	13,000	16,250	13,000	15,495
Blood Time	4 minutes		5 minutes		5 minutes	

RPM = Revolutions Per Minute  
RCF = Relative Centrifugal Force (also known as "G-Force")



## PowerSpin™ Centrifuge, BX

**BX Versatility: New Microhematocrit Tube Adapters:** We have developed several microhematocrit tube adapters that can be used with the Blood & Urine Tube Rotor, making a single rotor much more versatile and eliminating the need to purchase an additional rotor, or change rotors. Both New C800-34 and C8600-34 Adapters come in a Pkg/2 adapters, each and each adapter holds up to 4 MH tubes. The Blood & Urine rotor runs at a max of 5,000 RPM, much slower than traditional microhematocrit rotors with a 5 min. run. With our adapters, at 5,000 RPM, you can achieve a complete microhematocrit separation in an 8 min. run.

The BX's large digital display continuously shows three parameters in real-time: Speed (RPM), g-Force (RCF) and Time – how much time is left in the run. A unique feature allows the user to select which of these three parameters to display in an extra large font, for quick and easy viewing.

BX's feature maintenance-free brushless motors and a lid window for tachometer calibration checks. An intuitive button panel is quick and easy to use.

## BX Rotors and Acrylic Rotor Rack

Select from three rotor options for your BX centrifuge. For your convenience, we designed the C880-10 BX Rotor Rack to store all three rotors, the rotor changing tool and all your accessories. This rack can sit bench-top next to the BX, or can be wall-mounted, whichever works best for your lab. Also includes 18-place Tube Holdster™ for any size tube from 2-15ml.

Item No.	Description
C880-01M	Metal, 6-Place Blood/Urine Tube Rotor
C880-02	24-Place Microhematocrit Rotor
C880-03	24-Place Microcentrifuge Rotor
C880-10	BX Rotor Rack with Tube Holdster™



The BX Acrylic Rotor Rack organizes your rotors, rotor changing tool, and accessories all in one compact unit.



24 place rotor for 0.5 to 3ml Micro tubes



24 place rotor for capillary Microhematocrit tubes. Hematocrit Reader incorporated into the cover



6 place Blood/Urine Tube Rotor (accepts maximum 12 ml urine tubes)

## CMH30 Microhematocrit Centrifuge

Model CMH30 is made of formed metal and has a baked paint application that is acid and reagent resistant. A safety switch built into the handle assembly disconnects the power to the motor whenever the latch is lifted. The brushed motor is mounted on rubber mounts to provide quiet running and dampen vibration.

### Specifications:

- Twenty-four (24) place rotor with replaceable rubber ring and screw down metal lid
- Includes Microhematocrit Tube Reader
- Nominal speed is 12,000 RPM
- Dependable mechanical 5-minute timer with bell signal at end of run
- All metal housing for years of dependable use
- Safety switch in latch shuts off motor when lid is lifted
- Electric motor braking
- Indicator light tells when unit is in use
- Standard 115V/60Hz AC
- One Year Limited Warranty

Item No.	Description
CMH30	Microhematocrit Centrifuge, 24 Place, 110V
CMH30E	Microhematocrit Centrifuge, 24 Place, 220V
CMH30-Reader	Microhematocrit Tube Reader

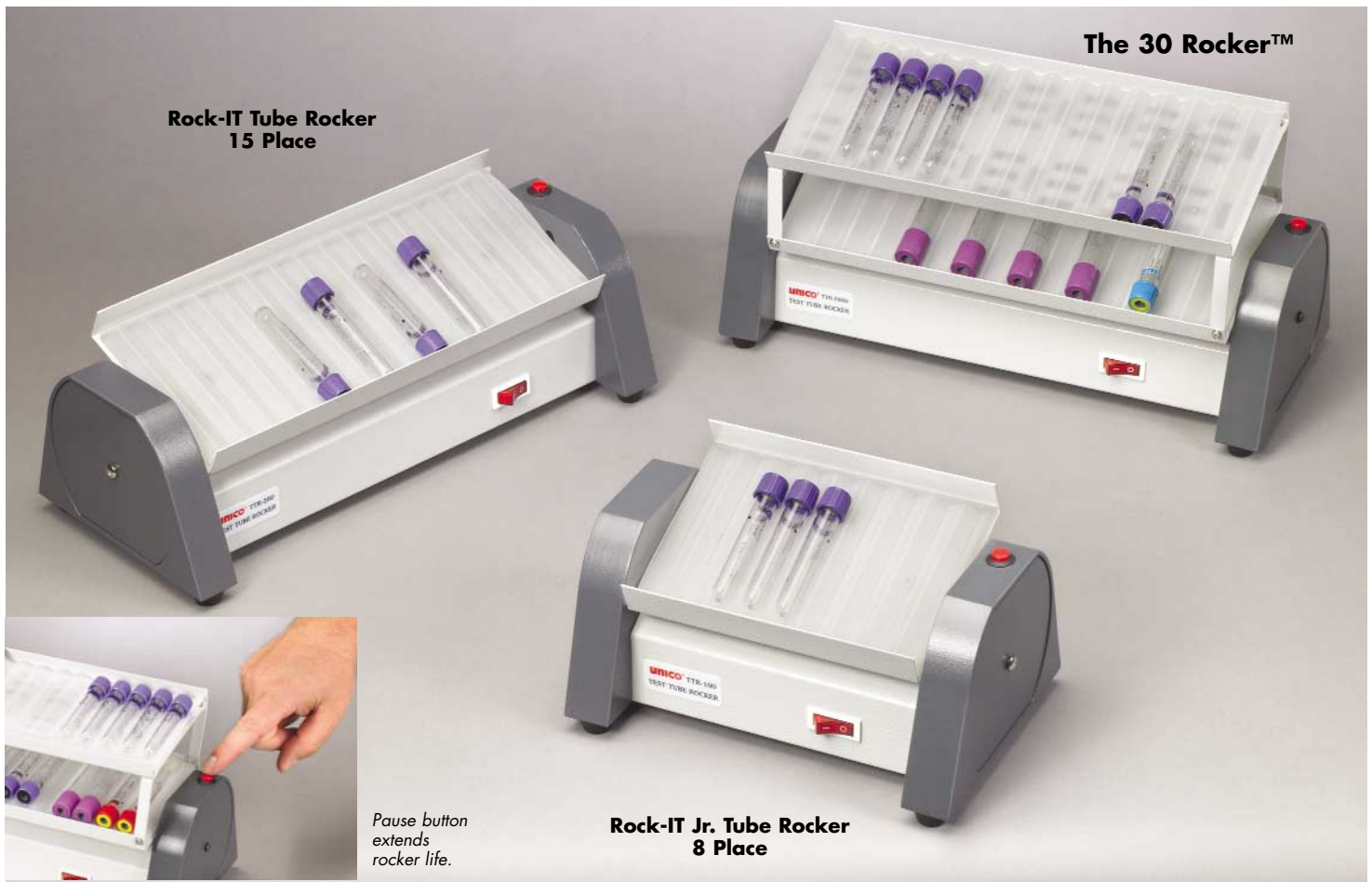


Microhematocrit Tube Reader included with CMH30



CMH30 Centrifuge

Actual Size: 11.6" x 10.3" x 9.3"  
 Shipping Dim.: 12.7" x 12.7" x 12.2"  
 Net Weight: 17.4 lbs  
 Shipping Weight: 19.4 lbs



## Rock-IT™ Tube Rockers

UNICO Rock-IT's now feature a PAUSE button, a useful feature designed to allow the user the opportunity to pause the rocking motion while adding, or removing tubes. The feature also extends the life of the rocker motor by eliminating the need to hold the platform to add/remove tubes.

UNICO Rock-IT Tube Rockers are heavy-duty, yet nearly silent mixers designed for years of everyday use. Smooth and gentle movement at 25 RPM assures a uniform, thoroughly mixed specimen, while preserving the integrity of the fragile blood cells. Get your hematology controls ready to use in no time for accurate results. The reversible non-slip pad is autoclavable and will accommodate larger and hard to mix tubes. Rock-IT's are an economical choice for your lab; let the Rock IT work for you!

- Capacity of 8, 15 tubes, or 30 tubes, up to 120 mm long
- 25 rocking cycles per minute, for gentle mixing
- Non-slip, reversible and autoclavable tube pad
- Compact size uses minimal benchtop space
- One year limited warranty

Item No.	Description
LTR100	Rock-IT Jr. Tube Rocker, 8 Place
LTR100E	Rock-IT Jr., same as above, 220V
LTR200	Rock-IT Tube Rocker, 15 Place
LTR200E	Rock-IT, same as above, 220V
LTR200D	Rock-IT Tube Rocker, 30 Place, the "30 Rocker"
LTR200D-E	Rock-IT, same as above, 220V
LTR100-1	Replacement Tube Pad, 8 Place
LTR200-1	Replacement Tube Pad, 15 Place

## Tube Holdsters™



- Select 18 or 24 place version
- Holds 2ml - 15ml tubes
- Holds counter-balance and specimen tubes
- Replaces bench-top tube racks
- Wall mount or mount to centrifuge

Item No.	Description
C800-18	Tube Holdster, 18-Place
C8600-18	Tube Holdster, 24-Place

## Differential Counters



UNICO offers the 3 most popular counters: 2 key, 5 key with total window, and 8 key with total window. The 5 and 8 key models are sold with a WBC maturation series picto-strip just above the key windows. All metal housing is durable, chemical resistant, and easy to clean and disinfect. Signal bell when 100 cells have been counted.

Item No.	Description
LBC3	2 Key Differential Counter
LBC6	5 Key Differential Counter, with Total Window
LBC9	8 Key Differential Counter, with Total Window

## Tube Organizer



Organize your blood drawing supplies in a simple, easy to use rack. See-thru acrylic allows for quick visual inventory, lets you know when to restock.

- Nine compartments to organize and store tubes
- Holds all sizes of tubes, up to 210 tubes
- Designed to wall mount or for use on benchtop
- Constructed of durable 3/16" acrylic

Item No.	Description	UOM	Size
52300	Tube Organizer	EA	11.5"W x 5.5"D x 16"H

## Alcohol Dispenser

One-handed operation with our Alcohol Dispensing Pump Bottle; dispense onto pads, cotton balls, gauze, or brushes. Push down pump lid to dispense alcohol; the swing open lid reduces evaporation and odor. Holds 8 oz. alcohol (alcohol not included). Made of HDPE, sold as a case of 12 bottles.



Item No.	Description	UOM	Size
28050	Alcohol Dispenser	CS/12	2.5"W x 2.5"D x 5.75"H



48700



48710

48710 includes tube bins.

## Flexi-Phleb™ Phlebotomy Tray

The Flexi-Phleb has large carrying capacity without bulk. The tray provides a handy pull out drawer that is great for storing needles, bandages and other items. The top level accepts removable Tube-CUBE's (see page 13) that secure a variety of tubes, ice cups for temperature sensitive samples, or sharps containers. Back at the lab, merely exchange your collected samples in Tube-CUBE's at Specimen Processing with empty ones and you are ready to go again! Tray is constructed of tough, durable LDPE for long service and easy cleanup.

Flexi-Phleb includes two 9 place, one 4 place, and one 1 place Tube-CUBE's, and 2 Squeezeie hand exercisers (sharps and alcohol dispenser not included).

Item No.	Description	UOM	Size
48700	Phlebotomy Tray	EA	9"W x 6"D x 14"H
48710	Phlebotomy Tray, with 5 bins for accessories	EA	9"W x 6"D x 14"H

## Squeezeies™

Introducing UNICO Heart-shaped Hand Squeezeie's! These hand-exercisers are useful in phlebotomy, patients squeeze them to assist in the blood drawing process. Available as eaches and in Packs of 10 or 20.



Item No.	Description
28080-1	Squeezeie, Each
28080-10	Squeezeie, Pack of 10
28080-20	Squeezeie, Pack of 20



The top shelf of each T-Rack has cross-referencing Alpha – Numeric designations so you can track the exact location of specific tubes in the rack.



Mix and match to meet your needs, or to help with Accessioning.

The only rack you will ever need! Starting with a single 50 place T-Rack, you can attach as many racks together as you have room for! These patented racks quickly and easily attach together with their unique built-in T-Connector, which allows you the flexibility to attach one, two, three, or however many racks you decide together!

### How do I attach T-Racks together?

It's so easy, even a hospital administrator can do it!

T-Rack's T-Connectors have a positive "click-stop", which locks the racks together, so they will not slide apart while being handled, or moved around the bench top, or refrigerator, etc. This click-stop holds them tightly together, yet is very easy to disassemble as well!

To disassemble, simply slide the racks apart and use as single rack, or join together with other T-Racks.

You can attach 10-13 mm racks to 13-16 mm racks! Attach any configuration to fit your needs! T-Racks allow you the flexibility to select how best to use them in your lab.

T-Racks can be used to help with Accessioning and are a great batching aide.

Item No.	Description	UOM
54500	T-Rack 50 Place, 13-16 mm, Expandable	Each
54500-2	T-Rack 50 Place, 13-16 mm, Expandable	Pk/2
54510	T-Rack 50 Place, 10-13 mm, Expandable	Each
54510-2	T-Rack 50 Place, 10-13 mm, Expandable	Pk/2
54520	T-Rack 50 Place, (25 holes of 13-16 mm & 25 of 10-13 mm), Expandable	Each
54520-2	T-Rack 50 Places, (25 holes of 13-16 mm & 25 of 10-13 mm), Expandable	Pk/2



Four T-Racks shown joined together, both 10-13mm and 13-16mm racks are attached. Mix and match to meet your needs, or to help with Accessioning.

### Specifications:

- Each T-Rack holds up to 50 tubes in two 25 hole sections
- The top shelf of each T-Rack has cross-referencing Alpha – Numeric designations so you can track the exact location of specific tubes in the rack
- Attach additional T-Racks together, make a single large rack, as big as you need!
- Made of durable, autoclavable polypropylene
- T-Racks will not break, or become brittle in low temperature refrigerators
- Easy to clean and disinfect
- Dimensions: Each 50 Place T-Rack measures: 8.75" x 3.75" x 5.25"
- Your T-Racks will arrive disassembled and snap them together in seconds

### Storage Tray



Organize and store supplies, tube racks (as shown) and more in this three-section, see-thru tray. Great for batching samples and organizing your work flow, or to store materials in the refrigerator, etc. Made of durable 3/16" acrylic.

Item No.	Description	UOM	Size
52030-1	Storage Tray, 3 Section	EA	12.75"W x 10"D x 3"H

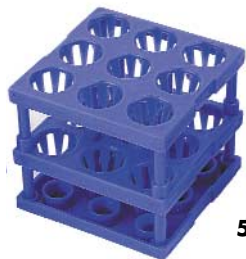
## Tube-CUBES™



54400



54100



54900

Holds tubes securely, even when turned upside down!



Available in three configurations, each cube measures 2-7/8"D x 2-5/8"H x 2-7/8"W.

- 4 place, holds 26 mm to 30 mm tubes / 50 ml tubes
- 9 place, holds 8 mm to 16 mm tubes / 10-15 ml tubes
- Single place, holds 66 mm cups, alcohol dispensers, small flasks, etc.

Item No.	Description	UOM
54900	9 place for 8-16 mm tubes	PK/4
54400	4 place for 26-30 mm tubes	PK/4
54100	Single place for up to 66 mm tubes	PK/4

## Tube-CUBE™ Carriers



2 Carrier



3 Carrier



4 Carrier

Durable acrylic, designed to hold any combination of Tube-CUBE's. Available in 2, 3, and 4 place configurations. Provides a safe, convenient way to carry patient samples in the lab.

Item No.	Description	Size
54020	Tube-CUBE™ Carrier, holds 2	7" x 3.5" x 5.5"
54030	Tube-CUBE™ Carrier, holds 3	9.75" x 3.5" x 5.5"
54040	Tube-CUBE™ Carrier, holds 4	12.75" x 3.5" x 5.5"



Smooth easy movement saves lab workers from potential lifting related injuries.



Add the optional handle designed to help push, pull and turn your Cubitrainer cart.

## Cubitrainer Carts

Easily transport Cubitainers - no more lifting! Moving cubitainers is almost effortless with our smooth-rolling carts designed for one or two cubitainers. With 3" wheels that rotate 360°, these carts are very maneuverable in tight spaces, or around equipment.

Designed with a 1" lip to contain spills and securely hold cubitainers in place during transport, or over bumps. Built tough, these carts can hold over 250 lbs. Holds one or two standard 20 Liter cubitainers and other materials.

Item No.	Description	UOM	Size
87750	Cubitrainer Cart, Single	EA	13"L x 13"W x 5"H
87755	Cubitrainer Cart, Double	EA	26.5"L x 13"W x 5"H
87757	Cubitrainer Cart Handle	EA	43"L x 2"W x 1"H

## Control Freek™ Control Racks



1-Tier Rack  
28071



Single Section  
28070



2-Tier Rack  
28072

A great help for organizing your control vials, select a ONE, or TWO tier swiveling rack! Each rack comes with four or eight pizza slice shaped removable wedges. Each rack swivels like a lazy Susan for quick access. Each pizza slice is individually colored and can be removed. Made of durable acrylic.

Item No.	Description	UOM
28071	Control Freek, 1 Tier Rack	EA
28072	Control Freek, 2 Tier Rack	EA
28070	Control Freek, Single Section	EA

## Vortex Mixers



**LVM1000**

Actual Size: 6.2" x 5" x 6.5"  
Net Weight: 9.4 lbs

**LVM2000**

These economical vortex mixers are rugged and sturdy for your most demanding applications. Dual mode switch lets you vortex continuously or intermittently using the touch mode - simply press your tube to the soft rubber mixing cup. Both model feature speed control to adjust the vortexing velocity to your requirements.

- Powerful and quiet
- Variable speed up to 3000 RPM
- Switch from Auto to Touch mode
- Power On LED indicator
- One year limited warranty

Item No.	Description
LVM1000	Vortex Mixer, Tube Mixer
LVM1000E	Same as above, 220V
LVM2000	Vortex Mixer, Platform/Flask Mixer
LVM2000E	Same as above, 220V

## Platform Lab Rotator



The LRT28 rotator is a compact, durable, variable speed orbital mixer. Accommodates a variety of printed or glass well slides, culture plates, flasks and small test tube racks, as well as RPR and VDRL slides or 96 well plates.

The LRT30C rotator is a compact, durable

digitally controlled variable speed mixer. Use with tie-down springs to mix flasks and other labware, or for RPR cards with the humidity cover and moisture sponge.

### Specifications:

- 11" x 11" mixing plate with removable rubber pad
- Variable speed 25-250 rpm, orbital stroke of 20 mm
- 30 minute timer
- Digital display and push-button controls
- Small flask hold down spring included
- One Year Limited Warranty



LRT30C comes with humidity cover and sponge.

Item No.	Description
LRT30C	Platform Rotator with Humidity Cover and flask tie-down
LRT30C-E	Same as above, 220V
LRT30-01	Replacement humidity cover with sponge

## Multi-Purpose Mixer

The UNICO MTR22 Multi-Mix has the capability to perform three modes of mixing, all of which are programmable and can all be used in the same "run". Or, if you just want to rotationally mix, set the unit to rotate. It is very simple to operate and program, runs can be programmed in seconds. You can mix many different sizes of tubes ranging from 1.5 ml to 50 ml with the two interchangeable mixing platforms that come standard with the unit. Tubes are held in-place with unique rubber flexible grippers; that surround and firmly hold tubes of varying diameters.

The MTR22 can mix in the following motions:

1. Rotate 360°, forward or reverse, and forward, then reverse
2. Reciprocating Rocker, back and forth like a traditional rocker
3. Vortex, (cavitate)

### Tube Capacity, Two Platforms:

Platform 1: 22 Tubes: 1.5 ml – 15 ml (Installed when new)

Platform 2: Six, 50 ml Tubes and Two 1.5 – 15 ml Tubes (Included as an accessory)

Easy to use controls to set time, shaking speed, rotation angle, and pauses. Use the Multi-Mixer to mix homogenize samples of all kinds, mix blood samples, urines, injectibles, tissue culture, plasma, hybridization and more. Mix anything that needs to be mixed in a tube. The easy to program unit will be a valued asset in your lab! You can load tubes, program and walk away! Let the mixer do the work for you.

Item No.	Description
MTR22	Programmable Multi-Mix Rotator, 110/220V



### Specifications:

- Capacity:
  - Platform 1: 22 Tubes: 1.5 ml – 15 ml (Installed when new)
  - Platform 2: Six, 50 ml Tubes and Two 1.5 – 15 ml Tubes (Included as an accessory)
- RPM: Variable from 5 – 30 RPM
- Timer: Up to 999 Seconds, max mixing time: 12 hours
- Reciprocating Timer: Up to 999 Seconds
- Rotation Angle in Reciprocation Mode: 15° - 90° (in 15° increments)
- Turning angle vortex mode: 1 to 5
- Vortexing times: 1 to 5
- Maximum timer: 12 hours
- Power: 110 / 220 V
- Dimensions: 13.5" x 7" x 7.5"
- Weight: 6.7 Lbs. / 3 Kgs

## Shake-It!™ Lab Pipette Shaker



This type of shaker has been a reliable standard in the laboratory for generations. The 6-position Shake-It! is ideal for use in hematology, for special tests and manual techniques.

### Specifications:

- Room for 6 pipettes
- 15 minute timer
- Triple position switch: On/Off/Continuous Use
- Acid/reagent resistant paint finish
- 110V AC
- One Year Limited Warranty

Item No.	Description
LP600T	6-Position Pipette Shaker



MTR22 shown with 6-place 50ml platform installed.



MTR22 includes two interchangeable platforms.

## Syringe and Instrument Tray



Great for storing syringes of various sizes and other accessories.

### Specifications:

- Six compartments, each measures 2.25"W x 9"L x 1"D
- Overall dimensions: 16"L x 9.5"W x 1.5"D
- Sold in a package of two trays

Item No.	Description
48400	Syringe & Instrument Tray, Pk/2

## L-CU60 Compact Incubator

The L-CU60 is a highly accurate incubator that is small in size but big in performance. Featuring a see-through door that makes a visual check on your cultures quick and easy. With a capacity of 10 standard size culture plates per shelf, the nominal capacity is 20 plates. The acrylic body is a great insulator and is easy to clean and maintain. With a small footprint, this unit is perfect for labs with limited benchtop space.

Specifications:

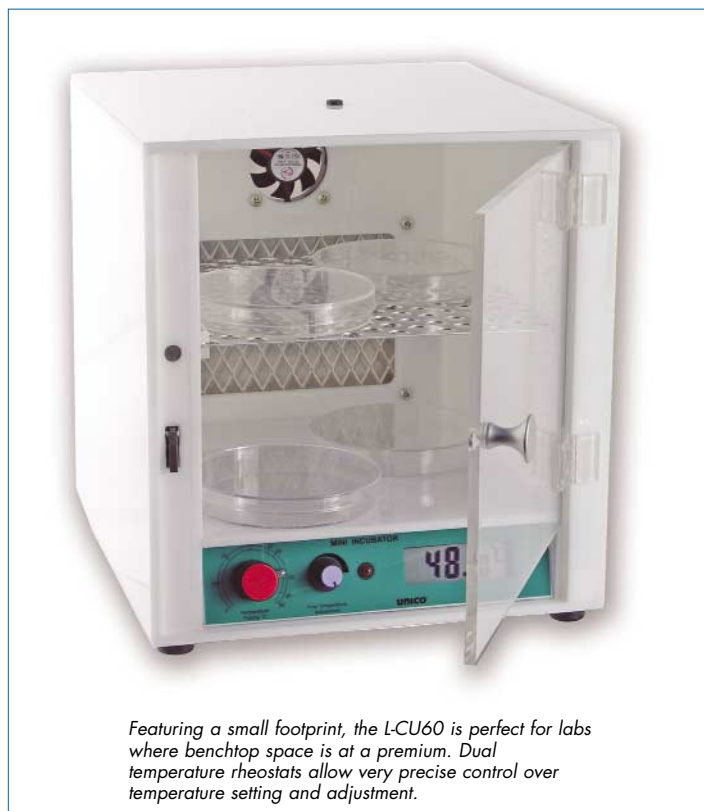
- Chamber Capacity: 6 Liters (0.21 cubic feet)
- Chamber Size: Internal Dimensions: 6.8"W x 7.7"D x 7"H
- Plate Capacity: 20 standard Culture Plates (10/shelf)
- Calibration: Dual temperature rheostats & a thermometer access port
- Temperature Range: Ambient to 60°C (Ambient to 140° F)
- Shelves: One removable shelf, perforated for air flow
- Temperature Control: Analog control, dual rheostat
- Display: LCD Digital Display
- Power/Consumption: 0.75 Amps / 80 Watts
- Heating: Forced air, chamber mounted circulating fan
- Stability: Will hold constant temperature +/- 0.5° C
- External Dimensions: 8.8"W x 11"D x 9"H
- Weight: Bench top weight – 8.5 Lbs.
- Weight: Shipping weight – 11 Lbs.

### Item No. Description

L-CU60	Compact Incubator, 20 Plates, 110 Volt
L-CU60E	Compact Incubator, 20 Plates, 220 Volt



**L-CU60 Compact Incubator**



*Featuring a small footprint, the L-CU60 is perfect for labs where benchtop space is at a premium. Dual temperature rheostats allow very precise control over temperature setting and adjustment.*

## Culture Plate Rack and Caddy



Organize, batch, transport and incubate, all with one rack! our Stainless Steel wire racks are stackable and autoclavable. Each rack holds up to 48 culture plates. Stainless steel rack caddy safely transports two Plate Racks side by side and is also stackable for more efficient use of incubator space.

### Item No. Description

44510	Culture Plate Rack	12.5"W x 5"D x 9.5"H
44525	Culture Plate Rack Caddy	13"W x 9.5"D x 11.25"H



## L-CU200 Laboratory Incubator

UNICO incubators are designed for plates, tubes (slants), urine and general microbiology applications. The spacious stainless steel-lined interiors can also be used as fluid warmers. These incubators feature a double-door design, solid exterior door and a see-thru inner acrylic door.

### L-CU200 Specifications:

- Chamber Capacity: 20 Liters (0.7 cubic feet)
- Chamber Size: Internal Dimensions: 312mm W x 308mm D x 230mm H (12.3" x 12.1" x 9")
- Calibration: Digital control & thermometer access port
- Temperature Range: Ambient to 70°C (Ambient to 155° F)
- Shelves: Two removable shelves, perforated for air flow
- Temperature Control: Digital Control
- Display: Digital Display
- Power/Consumption: 1.4 Amps / 150 Watts
- Heating: Convection
- Stability: Will hold constant temperature +/- 0.5° C
- External Dimensions: 500mm W x 287mm D x 305mm H (19.7" x 11.3" x 12")
- Weight: Bench top weight – 14 Kgs.
- Weight: Shipping weight – 16 Kgs.



**L-CU200 Incubator**

Item No.	Description
L-CU200	Laboratory Incubator, 20 Liter, 110 Volt
L-CU200E	Laboratory Incubator, 20 Liter, 220 Volt
DS-6-01	Replacement battery, Type CR2, 3 Volt Duracell

## L-CU100 Laboratory Incubator

A compact incubator, perfect for limited bench top space. Capable of heating from ambient up to 70°C (155°F) quickly and holding a constant temperature. Featuring a single door with a window, so you can visually inspect your cultures.

### L-CU100 Specifications:

- Chamber Capacity: 10 Liters (0.35 cubic feet)
- Chamber Size: Internal Dimensions: 284mm W x 200mm D x 220mm H (11.2" x 7.8" x 8.6")
- Calibration: Digital control & thermometer access port
- Temperature Range: Ambient to 70°C (Ambient to 155° F)
- Shelves: Two stainless steel shelves
- Temperature Control: Digital Control
- Display: Digital Display
- Power/Consumption: 1.4 Amps / 150 Watts
- Heating: Convection
- Stability: Will hold constant temperature +/- 0.5° C
- External Dimensions: 495mm W x 273mm D x 305mm H (15.2" x 15.2" x 9")
- Weight: Bench top weight – 11.5 Kgs.
- Weight: Shipping weight – 13 Kgs.



**L-CU100 Incubator**

Item No.	Description
L-CU100	Laboratory Incubator, 10 Liter, 110 Volt
L-CU100E	Laboratory Incubator, 10 Liter, 220 Volt

## DermaScout™ Dermatoscope

The DermaScout™ is an efficient and dependable instrument designed for busy professionals. Great for use in distinguishing benign from malignant lesions, and early detection of melanoma. Use the Dermascout to view and measure skin lesions, fungal infections, skin tumors, warts and other conditions.

### Specifications:

- 6x Magnification, with 40 mm top lens
- Diopter focus control for sharp focusing
- 40 mm Field of View, (flat field)
- 31 mm Working Distance
- LED Illuminated with an array of 9 LED's
- Battery powered, over 150 hours
- Reticule, Dual Measuring scales: mm & inches
- 20 mm: 10 left of center/10 right of center
- Measures in 0.1 mm increments
- Measures in .005" increments
- Storage / Transport Case
- Battery included (Type CR2, 3 Volt)



**DS-6 DermaScout™**

*Durable locking case can be used for storage and transport.*

Item No.	Description
DS-6	DermaScout™ Dermatoscope
DS-6-01	Replacement Battery, Type CR2, 3 Volt Duracell

## Mohs Microscope

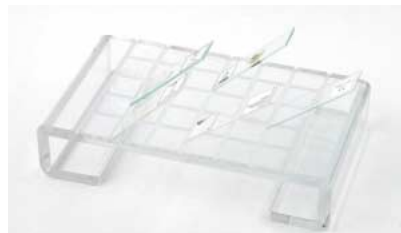
UNICO is proud to introduce our series of Mohs Procedure Microscopes, designed for quick and easy slide viewing.

Featuring a "Reverse Position Nosepiece", with the objectives pointed back, away from the stage. Our Mohs Microscopes allow clear access to the stage allowing you to quickly and easily move slides in series around the stage. We removed the "Slide Holder" from the stage so you can increase your speed handling individual slides.

Each microscope comes with a Sequential Slide Rack to assist in tracking and handling each slide specimen by location and orientation.

### Features:

- The Slide Holder has been removed for viewing slides in quick succession
- Speed of use is essential while searching for clear margins
- Quick viewing in series is key while a patient is waiting with local anesthesia
- Our best "flat field" PLAN optics for optimal viewing
- 5-hole Nosepiece
- Blue filter, assists contrast and clarity for stained tissue slides
- Camera-Ready versions for use with EMR programs



*Includes a Sequential Slide Rack to track slides by tissue location and orientation, holds up to 35 slides*

Item No.	Description
H624	Binocular Mohs Microscope with 4, 10, 20 and 40x Plan Objectives
H624T	Trinocular Camera-Ready (EMR) scope, same as above
H626	Binocular Mohs Microscope with 4, 10, 20, 40 and 100x Plan Objectives
H626T	Trinocular Camera-Ready (EMR) scope, same as above



**H624**

## Microscopes, Video Microscopes and Accessories

UNICO Microscopes are designed to provide the maximum optical performance on durable and affordable platforms. We offer a variety of models and features, many models have the ability to mount cameras on a Trinocular (3rd Eye Tube), or down an eyepiece tube.



Select from Good, Better or our Best objectives

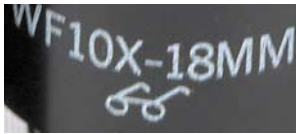
The key to microscope optical quality is in its objectives, or lenses. Objectives are graded as shown below. As the degree of Flat Field increases, both the quality of imaging and the cost increase is commensurate:

- **Achromat** "Good" 60-65% Flat Field of view
- **Semi-Plan** "Better" 80-85% Flat Field of view
- **Plan Achromat** "Best" 98-100% Flat Field of view

**Need help selecting a Microscope?** Call us, toll free at 800-588-9776, or e-mail us at: [Info@unicosci.com](mailto:Info@unicosci.com) and we will help you pick the right microscope based on your applications.



5.6 Megapixel digital video camera



Keep your glasses on while using our High Eyepoint eyepieces

**Wear your glasses!** With most UNICO microscopes, you can wear your glasses while looking through the microscope because we offer "High-Eyepoint Eyepieces". If this is an important feature to you, make sure to select a model with High Eyepoint eyepieces.

**LED Illuminators:** UNICO is in the process of transitioning our microscopes to LED illuminators, away from traditional Halogen light sources. While we still offer many models with Halogen, we are increasing the number of LED models. LED's offer better energy efficiency and are more cost effective, eliminating the need use blue filters and buy replacement bulbs.



S-Video analog camera



Trinocular microscope shown with camera mounted

**Video Microscopes:** UNICO offers a variety of options for video-microscopy. The most popular are our Trinocular, or "Camera-Ready" microscopes; followed by Eyepiece Cameras, where the camera is mounted into a microscope eyepiece tube.

**Trinocular Camera-Ready Microscopes:** All UNICO Trinocular microscopes feature the third port, or eye-tube. This is where a C-Mount Video Adapter is mounted, and a C-Mount camera can be attached. Always remember to order the C-Mount video adapter with your Trinocular microscope and camera. Each model uses a unique video adapter.

Select from Digital or Analog (S-Video) color video camera options. All digital cameras come with image capture software for Windows 7 & XP, which produce high resolution JPEG images.



2 Megapixel digital video camera mounts inside eyepiece tube

Item No.	Description
B6-8185	5.6 Mega Pixel Camera, Digital Video CCD, w/software for Windows XP/7 and USB cable
B6-8182	Eyepiece Tube Camera, Color Digital USB, w/software for Windows XP/7 and USB cable
CS-8023	Frame Grabber, turns Analog Signal into Digital format with USB output

Item No.	Description
G380-8021	0.65X C-Mount Video Camera Adapter
B6-8027	Eyepiece C-Mount Adapter, fits C-Mount cameras to 23.2mm eyepiece tubes
CS-8022	Color TV Monitor, 15" flat screen
B6-8022-S630	S-Video Color CCD Camera, Analog with two outputs

## M250 General Lab Microscopes

The M250 is a low-cost series providing excellent value. At 80% the size of a large bench top microscope, it is compact and packed with features. Available with Monocular, Binocular, or Dual Viewing heads, we have an option to meet your needs. Formerly portable, the new M250's illumination system has been redesigned with a high intensity LED that works with a plug-in wall outlet. Halogen illuminated models are no longer available.

**Features:**

- LED Illuminated
- All Heads rotate 360°
- Paired 10X Widefield Eyepieces
- 128x128mm built-in mechanical stage
- Reverse position nosepiece
- Iris Diaphragm
- Achromat or Plan Objectives
- 4X, 10X, 40X and 100X Oil
- Graduated Coarse/Fine Focus
- Will Accept B6-8182 Eyepiece Camera
- Includes dust cover, blue filter, and manual
- 5-Year Limited Warranty

Item No.	Description
M250LED	Binocular Microscope with Advanced Features
M251LED	Monocular Microscope with Advanced Features
M252LED	Dual Head Microscope with Advanced Features

Actual Size: 8.0" x 6.5" x 14.4"  
 Net Weight: 12.0 lbs  
 Shipping Weight: 13.0 lbs

**M251**



## M280 Microscopes

The M280 combines affordability with functionality. All the features of higher priced models in a slimmed down frame, all at a very economical price. The LED-illuminated M280 is a great choice for routine scope work: Wet Preps, Urines, Smears and Differential counts.

**Features:**

- LED Illuminated, 3 Watt
- Binocular Head, rotates 360°
- Paired 10X Widefield Eyepieces
- 128x128mm built-in mechanical stage
- Reverse position nosepiece
- Iris Diaphragm
- Achromat or Plan Objectives
- 4X, 10X, 40X and 100X Oil
- Graduated Coarse/Fine Focus
- Will Accept B6-8182 Eyepiece Camera
- Broad range 110V/220V power supply
- Includes dust cover and manual
- 5-Year Limited Warranty

Item No.	Description
M280	Binocular microscope with Achromatic objectives
M280PL	Binocular Microscope with Plan-Achromatic objectives

**M280**



	M250LED	M251LED	M252LED	M280	M280PL
<b>Head</b>	Binocular	Monocular	Dual Head	Binocular	Binocular
<b>Eyepiece</b>	10X WF (2)	10X WF	10X WF (2)	10X WF (2)	10X WF (2)
<b>Objectives</b>	4,10,40,100X	4,10,40,100X	4,10,40,100X	4,10,40, 100X	Plan
<b>Condenser</b>	NA 1.25	NA 1.25	NA 1.25	NA 1.25	NA 1.25
<b>Diaphragm</b>	Iris	Iris	Iris	Iris	Iris
<b>Stage</b>	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
<b>Illumination</b>	LED	LED	LED	LED	LED
<b>Bulb</b>	3 Watt LED	3 Watt LED	3 Watt LED	3 Watt LED	3 Watt LED
<b>Focusing</b>	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial

## G380 Series Microscopes



Actual Size: 9.5" x 7.5" x 16.0"  
 Shipping Dimension:  
 13.5" x 10.5" x 17.5"  
 Net Weight: 14.0 lbs  
 Shipping Weight: 18.0 lbs

The G380 combines state of the art design and features with the latest optical coating technologies for crisp, clear imaging on a versatile and ergonomic platform. All models in the G380 series feature "High-Eyepoint" 10x widefield eyepieces. This unique design allows users wearing glasses to comfortably view through the scope without removing their glasses as they would have to with traditional eyepieces.

Available with your choice of Monocular, Dual-View, Binocular, or Trinocular heads, all of which rotate 360°. Select from standard Achromat, Semi-Plan, or flat-field Plan achromat objectives. All models have 30° head angles.

Includes a focusable 1.25 NA Abbe condenser with Iris Diaphragm, oversized graduated coaxial coarse and fine focus controls, swing-out filter holder and a port to allow insertion of a Phase Annulus for Phase microscopy. A ball-bearing movement mechanical stage is also standard with low position coaxial controls.

Features an integrated dual voltage transformer (110V and 220V) and a detachable power cord so you can use this scope anywhere in the world.

Options include Koehler illumination, Phase contrast objectives, and a Dual Slide Holder.

Item No.	Description
G380-LED	Binocular Microscope with Achromat Objectives
G380SP-LED	Binocular Microscope with Semi-Plan Objectives
G380PL-LED	Binocular Microscope with Plan Objectives
G381-LED	Monocular Microscope with Achromat Objectives
G381SP-LED	Monocular Microscope with Semi-Plan Objectives
G381PL-LED	Monocular Microscope with Plan Objectives
G382-LED	Dual Head Microscope with Achromat Objectives
G382SP-LED	Dual Head Microscope with Semi-Plan Objectives
G382PL-LED	Dual Head Microscope with Plan Objectives
G383-LED	Trinocular Microscope with Achromat Objectives
G383SP-LED	Trinocular Microscope with Semi-Plan Objectives
G383PL-LED	Trinocular Microscope with Plan Objectives
G380-8021	0.65x Video Adapter with C-Mount
B6-9005	Fuse, 1.5A, 250V
G380-8034	10x Semi-Plan Phase Objective & Slide-In Annulus
G380-8031	40x Semi-Plan Phase Objective & Slide-In Annulus
B6-8910	Optical Cleaning Kit
G380-9008	The Backpack™ Accessory Organizer for G380 Microscopes

	G380-LED	G380SP-LED	G380PL-LED	G381-LED	G381SP-LED	G381PL-LED
<b>Head</b>	Binocular	Binocular	Binocular	Monocular	Monocular	Monocular
<b>Eyepiece</b>	10X WF(2)Hi-EP	10X WF(2)Hi-EP	10X WF(2)Hi-EP	10X WF Hi-EP	10X WF Hi-EP	10X WF Hi-EP
<b>Objectives</b>	4,10,40,100X	4,10,40,100X	4,10,40,100X	4,10,40,100X	4,10,40,100X	4,10,40,100X
	Achromat	Semi-Plan	Plan	Achromat	Semi-Plan	Plan
<b>Condenser</b>	NA 1.25	NA 1.25	NA 1.25	NA 1.25	NA 1.25	NA 1.25
<b>Diaphragm</b>	Iris	Iris	Iris	Iris	Iris	Iris
<b>Stage</b>	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
<b>Illumination</b>	LED	LED	LED	LED	LED	LED
<b>Bulb</b>	3 Watt LED	3 Watt LED	3 Watt LED	3 Watt LED	3 Watt LED	3 Watt LED
<b>Focusing</b>	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial

# Med/Vet Practice Microscopes



G381-LED with Monocular Head



G383-LED with Trinocular Head  
(shown with optional C-mount camera adapter)



G382-LED with Dual Head

## Specifications:

- **HEADS:** Available with Monocular, Binocular, Dual View or Trinocular heads with 52 – 75 mm interpupillary distance adjustment. All rotate 360°, have a 30° viewing angle, and lock in-place with a thumbscrew
- **EYEPIECES:** Standard with 10x "High-Eyepoint" widefield oculars designed to improve viewing while wearing glasses. Reticules and Pointers available on request
- **OBJECTIVES:** All models feature DIN Standard 4x, 10x, 40xR and 100xR objectives. 40 and 100x objectives are "R", or Retractable. Options are: Achromat, Semi-Plan, or Plan Achromats. Simple Phase Contrast is available in 40x
- **OBJECTIVE Numerical Aperture:**  
 4x = NA 0.10    10x = NA 0.25  
 40x = NA 0.65    100x = NA 1.25
- **MAGNIFICATION:** With 10x eyepieces, standard magnification is 40x, 100x, 400x and 1,000x (Oil Immersion)
- **CONDENSER:** Features a focusable NA 1.25 Abbe condenser with port for optional Simple Phase Contrast Annulus insertion. Focusable with rack and pinion movement
- **STAND and Nosepiece:** Sturdy cast metal frame with polymer accent panels, designed to provide stability
- **STAGE:** Built-in Graduated Mechanical Stage with low-position coaxial X-Y controls. Ball bearing movement allows for smooth, precise adjustments. Stage size: 142 mm x 132 mm. Range of X-Y stage movement: 55 mm x 75 mm. Spring loaded slide holder
- **IRIS DIAPHRAGM:** Features adjustable Iris with metal leaf overlay design. Optical design allows for Blue and other filters to be mounted in the illuminator housing
- **FOCUSING:** Features smooth, extra-large graduated coaxial coarse and fine focus controls with tension adjustment to eliminate stage drift. Adjustable to your personal preferences
- **ILLUMINATION:** 3 Watt LED light source standard. Variable intensity rheostat wheel is located on the left side of the base
- **ELECTRICAL:** 110V- 60 Hz to 240V- 50 Hz, universal power supply. The fuse rating is 250V 1.5A
- Complete with dust cover, two extra fuses and operation manual
- Five Year Limited Warranty, One Year on electrical system; excludes bulbs and fuses

	G382-LED	G382SP-LED	G382PL-LED	G383-LED	G383SP-LED	G383PL-LED
<b>Head</b>	Dual Head	Dual Head	Dual Head	Trinocular	Trinocular	Trinocular
<b>Eyepiece</b>	10X WF(2)Hi-EP	10X WF(2)Hi-EP	10X WF(2)Hi-EP	10X WF(2)Hi-EP	10X WF(2)Hi-EP	10X WF(2)Hi-EP
<b>Objectives</b>	4,10,40,100X	4,10,40,100X	4,10,40,100X	4,10,40,100X	4,10,40,100X	4,10,40,100X
	Achromat	Semi-Plan	Plan	Achromat	Semi-Plan	Plan
<b>Condenser</b>	NA 1.25	NA 1.25	NA 1.25	NA 1.25	NA 1.25	NA 1.25
<b>Diaphragm</b>	Iris	Iris	Iris	Iris	Iris	Iris
<b>Stage</b>	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
<b>Illumination</b>	LED	LED	LED	LED	LED	LED
<b>Bulb</b>	3 Watt LED	3 Watt LED	3 Watt LED	3 Watt LED	3 Watt LED	3 Watt LED
<b>Focusing</b>	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial



A G380 showing the G380-9008 Backpack™ Accessories Organizer, a handy way to keep supplies organized and easy to find.

## G380 Phase Contrast Microscopes



**G380PHT-LED**

Introducing UNICO G380 Series Phase Contrast microscopes; designed and built on our versatile and reliable G380 platform. Select Simple-Phase with a 10x or 40x Semi-Plan Phase Contrast objective, or Full-Phase with 4x Brightfield and 10, 40 & 100x Semi-Plan Phase Contrast objectives with Turret Condenser. All Phase microscopes include our Koehler Field Iris Diaphragm for optimal illumination control, a must with Phase contrast.

These scopes are perfect for semen analysis and any applications where you are viewing transparent, translucent and/or unstained specimens, such as wet preps, urines and smears/ear swabs.

### Features:

- Binocular or Camera-ready Trinocular heads, 30° incline
- Full-Phase Contrast with Turret Condenser & Centering Telescope
- Simple Phase Contrast option, with 10X or 40X Semi-Plan Phase
- Semi-Plan Phase Contrast Objectives: 10X, 40X & 100X
- Coaxial Coarse and Fine Focus, with tension adjustment
- Stage size: 142mm x 132mm, with Dual Slide Holder
- Stage range of X/Y movement: 55mm x 75mm
- LED Illumination, 3 Watt, super bright
- Optional portable LED illuminator, battery powered
- Illumination intensity rheostat (dimmer)
- NA 1.25 Abbe Condenser with Iris Diaphragm
- Koehler Field Diaphragm (Iris), in illuminator
- Green filter included for Phase Contrast viewing
- Digital USB or S-Video C-Mount Camera options

### Low-cost Phase options



G380-8031  
40x SP Phase Kit

G380-8034  
10x SP Phase Kit

Quickly turn your G380 Series microscope into a Phase Contrast microscope with our Phase Kits. Our 10x Semi-Plan Phase Kit includes 10x Semi-Plan Phase Objective and Slide-in Annulus. Our 40x Semi-Plan Phase Kit includes 40x Semi-Plan Phase Objective and Slide-in Annulus.



The G390 with heated stage and full-phase contrast, see page 31 for details.



Models with Full-Phase Contrast (10, 40 & 100x S-P Phase Objectives) include the Turret Condenser with positions for 10, 40 & 100x Phase plus a "0" setting for Brightfield objective use and a Centering Telescope to center the condenser with the objectives.



Make your G380 portable easily with our battery powered LED illuminator G380-7001. Snaps into place easily and comes with 3 AA batteries.

Item No.	Description
G380PH-LED	Binocular G380 Phase with 4x Brightfield, 10, 40 & 100x Semi-Plan Phase Contrast objectives with Turret Condenser, Koehler and LED illumination
G380PHT-LED	Trinocular G380 Phase with 4x Brightfield, 10, 40 & 100x Semi-Plan Phase Contrast objectives with Turret Condenser, Koehler and LED illumination
G380PH-40	Binocular G380 microscope with 4x & 10x Brightfield objectives, 40x Semi-Plan Phase Contrast objective with 40x Annulus Slider & 100x Brightfield objective. Includes Koehler Field Iris and LED illumination
G380-8021	C-Mount Camera Adapter 0.65x for Camera-Ready Trinocular Heads
B6-8185	Digital Video C-Mount camera Camera, 5.6 Mega Pixel with image capture software for Windows XP/7 and USB cable (requires G380-8021 listed above)
G380-7001	Portable Battery-Powered LED Illuminator, uses 3 AA Batteries (included)

## G380 Infinity Microscopes



**G386-LED Infinity**

Infinity Optics take the G380 Series to the next level of microscopy. Designed to offer superior imaging with 10X High Eye-Point eyepieces engineered to reduce eyestrain for users wearing glasses and crisp Infinity objectives (Achromat or Plan). Each eye tube features an independent focusing diopter. Oversized coarse and fine focus controls and low-position coaxial mechanical stage controls.

The New G388 Dual-Binocular Head Infinity microscope is an excellent tool for instruction, or conferring with a colleague. It will increase your productivity and confidence in results.

### Specifications:

- **HEADS:** Available with Binocular or Dual Binocular heads with 30° incline, 52 – 75 mm interpupillary distance adjustment. All rotate 360°, and lock in-place with a thumbscrew
- **EYEPIECES:** Standard with 10x "High-Eyepoint" extra-widefield oculars. Reticules and Pointers available on request
- **OBJECTIVES:** Featuring Infinity Optics, Achromat or Plan, 4x, 10x, 40xR and 100xR objectives. 40 and 100x objectives are "R", or Retractable. 100x is an Oil Immersion objective
- **OBJECTIVE Numerical Aperture:**  
 4x = NA 0.10    10x = NA 0.25  
 40x = NA 0.65    100x = NA 1.25
- **STAGE:** Built-in Graduated Mechanical Stage with low-position coaxial X-Y controls. Ball bearing movement allows for smooth, precise adjustments. Stage size: 142 mm x 132 mm. Range of X-Y stage movement: 55 mm x 75 mm. Spring loaded slide holder



**G388-LED Dual Binocular Head  
Infinity Optics Microscope**

- **CONDENSER:** Features a focusable NA 1.25 Abbe condenser. Focusable with rack and pinion movement
- **IRIS DIAPHRAGM:** Features adjustable Iris with metal leaf overlay design. Optical design allows for Blue and other filters to be mounted in the illuminator housing
- **FOCUSING:** Features smooth, extra-large graduated coaxial coarse and fine focus controls with tension adjustment to eliminate stage drift. Adjustable to your personal preferences
- **ILLUMINATION:** 3 Watt LED
- **ELECTRICAL:** 110V- 60 Hz to 240V- 50 Hz, universal power supply. The fuse rating is 250V 1.5A
- Complete with dust cover, blue filter, two extra fuses and operation manual
- Five Year Limited Warranty, One Year on electrical system; excludes bulbs and fuses

Item No.	Description
G386-LED	Binocular Infinity Achromat Microscope
G386PL-LED	Binocular Infinity Plan Microscope
G388-LED	Dual Binocular Infinity Achromat Microscope
G388PL-LED	Dual Binocular Infinity Plan Microscope
B6-8182	2.0 Mega Pixel Digital USB Eyepiece Camera with Image Capture Software and USB Cable

	G386-LED	G386PL-LED	G388-LED	G388PL-LED
<b>Head</b>	Binocular	Binocular	Dual-Binocular	Dual-Binocular
<b>Eyepiece</b>	10X WF(2)Hi-EP	10X WF(2)Hi-EP	10X WF(4)Hi-EP	10X WF(4)Hi-EP
<b>Objectives</b>	4,10,40,100X Infinity Achromat	4,10,40,100X Infinity Plan	4,10,40,100X Infinity Achromat	4,10,40,100X Infinity Plan
<b>Condenser</b>	NA 1.25	NA 1.25	NA 1.25	NA 1.25
<b>Diaphragm</b>	Iris	Iris	Iris	Iris
<b>Stage</b>	Mechanical	Mechanical	Mechanical	Mechanical
<b>Illumination</b>	3 Watt LED	3 Watt LED	3 Watt LED	3 Watt LED
<b>Focusing</b>	Coaxial	Coaxial	Coaxial	Coaxial



## Portable Microscope and Centrifuge Packages for Mobile Practices



Simply snap-in a G380-7001 LED Illuminator and make your G380 portable.



**G380-8907**

Our Metal Carrying Case is custom-designed to fit your G380 Series microscope. With foam-lined protection, it even has extra storage space for your optional LED illuminator and Semi-Plan Phase Kit. Perfect for a mobile practitioner. Complete with handle, lock and two keys.



G380-7001 LED Illuminator operates on 3 AA batteries (included).

Increasingly practitioners are going mobile, direct to their patient's location. Whether you are a Physician, Visiting Nurse or Mobile Vet; we have portable products to meet your needs.

Portable Microscopes: G380 Series Microscopes are available in a variety of portable configurations with battery powered (3 AA's) LED illuminator and carry case. Additional options include Phase Contrast (see pages 26-28 for more details).

Portable Centrifuges: Six place PX Porta-Spin centrifuges are available with 12 Volt DC car lighter adapters, or AC adapters for use back at your lab. (see page 5 for more details).



**PX, C826**

PortaSpin portable centrifuge features a level built into the lid to make sure you are level before and during your run. A sturdy stainless steel handle makes carrying the centrifuge easy.

### Portable Microscope and Centrifuge Packages:

Item No.	Description
G380-C826	G380LED Binocular Achromat Scope w/LED Battery Pack, Carry Case and C826 Centrifuge with 12 VDC car adapter
G380PL-C826	G380LED Binocular Plan Achromat Scope w/LED Battery Pack, Carry Case and C826 Centrifuge with 12 VDC car adapter
G380PH-C826	G380LED Binocular, Semi-Plan Phase Scope w/LED Battery Pack, Carry Case and C826 Centrifuge with 12 VDC car adapter
G380PH-C826-AC	G380LED Binocular, Semi-Plan Phase Scope w/LED Battery Pack, Carry Case and C826 Centrifuge with 12 VDC car adapter and 110 Volt AC plug-in wall power adapter

### Portable Microscopes and Centrifuges:

Item No.	Description
G380-P	G380LED Binocular, Achromat (4/10/40/100X), LED battery pack & carry case
G380-PPL	G380LED Binocular, Plan Achromat (4/10/40/100X), LED battery pack & carry case
G380-PHP	G380LED Binocular 40X Semi-Plan Phase (and 4/10/100X Brightfield), LED battery pack & carry case
G380-PHP2	G380LED Binocular Semi-Plan Phase (10/40/100X), LED battery pack & carry case
G380-9008	BackPack™ Supplies Organizer for G380 Series
G380-8034	10x Semi-Plan Phase kit, Objective and Annulus Slider
G380-8031	40x Semi-Plan Phase kit, Objective and Annulus Slider
G380-7001	Portable LED Illuminator for G380, uses 3 AA batteries, Included
G380-7002	Portable Mirror Assembly for G380 Series
C826	PX Porta-Spin Portable Centrifuge, 6 Place, fixed speed with 12V Car adapter
C826-12	AC Adapter for PX, Porta-Spin Centrifuges, 110V
C800-18	Tube Holdster, 18-Place

## G390 Heated Stage Microscopes

Introducing the G390 with Heated Stage for Semen Analysis and live cell maintenance and analysis. Built on the proven and reliable G380 system. Featuring a low-voltage stage heating system to evenly heat the stage. Digital heating controller holds a constant temperature while you work.

- Constant temperature heating/holding system
- Temperature Range: 25-40 °C (77-122 °F)
- Digital temperature control unit (low voltage)
- Binocular or Camera-ready Trinocular heads, 30° incline
- Brightfield and full-Phase Contrast options
- Brightfield Objectives: 4X, 10X, 20X, 40X & 100X, Achromat or Plan Achromat choices
- Semi-Plan Phase Contrast Objectives: 10X, 40X & 100X
- Achromat or Plan Achromat brightfield objective choices
- Coaxial Coarse and Fine Focus, with tension adjustment
- Stage size: 142mm x 132mm, with Dual Slide Holder
- Stage range of X/Y movement: 55mm x 75mm
- LED Illumination, 3 Watt
- Illumination intensity rheostat (dimmer)
- NA 1.25 Abbe Condenser with Iris Diaphragm
- Koehler Field Diaphragm (Iris), in illuminator
- Green filter included for Phase Contrast viewing
- Digital USB or S-Video C-Mount Camera options



G395T-LED shown with Full Phase Turret Condenser.

Item No.	Description
G390LED	Binocular, Achromat Heated Stage Scope, 4, 10, 40 & 100X
G390PL-LED	Binocular, Plan Achromat Heated Stage Scope, 4, 10, 40 & 100X
G393LED	Trinocular, Achromat Heated Stage Scope, 4, 10, 40 & 100X
G393PL-LED	Trinocular, Plan Achromat Heated Stage Scope, 4, 10, 40 & 100X
G395LED	Binocular, S-P Phase Heated Stage Scope, 4X BF, Phase 10, 40 & 100X
G395T-LED	Trinocular, S-P Phase Heated Stage Scope, 4X BF, Phase 10, 40 & 100X
G395PC-LED	Trinocular, S-P Phase with Digital USB Camera Heated Stage Scope, 4, 10, 40 & 100X
G380-8034	10x Semi-Plan Phase Contrast objective and Annulus slider
G380-8031	40x Semi-Plan Phase Contrast objective and Annulus slider

### Low-cost Phase options



G380-8031  
40x SP Phase Kit

G380-8034  
10x SP Phase Kit

Quickly turn your G380 Series microscope into a Phase Contrast microscope with our Phase Kits. Our 10x Semi-Plan Phase Kit includes 10x Semi-Plan Phase Objective and Slide-in Annulus. Our 40x Semi-Plan Phase Kit includes 40x Semi-Plan Phase Objective and Slide-in Annulus.



Custom configurations are available. If you would like a heated stage microscope with a dual binocular head, just let us know.

## G500 Series Microscopes



**G504T**

Actual Size: 16"H x 6"W x 12"D  
 Shipping Dimension:  
 21"L x 19"W x 10"H  
 Net Weight: 14.5 lbs  
 Shipping Weight: 19 lbs

The G500 Series Advanced Microscopes are full-featured, versatile and scalable. Designed for users who applications require them to spend extended time viewing through the microscope. An LED illuminated series with options ranging from standard Brightfield, to Phase Contrast, Polarizing and Epi-Fluorescence.

- **HEADS:** Binocular, or Camera-Ready Trinocular, inclined 30°
- **EYEPIECES:** Paired 10x Wide Field, High Eyepoint with Dual Diopter and FN 18 mm
- **STAGE:** Graduated Mechanical Stage with low-position coaxial X-Y controls. Ball bearing movement allows for smooth, precise adjustments. Stage size is 180 mm x 150 mm and the range of X-Y stage movement is 80 mm x 50 mm
- **OBJECTIVES:** Achromat or Plan Achromatic objectives: 4x, 10x, 20x, 40x, 100x (oil). Additional objectives are available on request. 5 Place nosepiece provides flexibility
- **CONDENSER:** Focusable and centerable N.A. 1.25 Abbe condenser with graduated iris diaphragm
- **KOEHLER FIELD IRIS:** Graduated field Iris allows precise positioning to be set based on specific type of specimen being viewed
- **ILLUMINATION:** High intensity LED with rheostat to control intensity
- **ELECTRICAL:** 110V- 60 Hz to 240V- 50 Hz, universal power supply. The fuse rating is 250V 1.5A
- **INCLUDED ACCESSORIES:** Complete with dust cover, two extra fuses, neutral density filter and operation manual
- **WARRANTY:** Five Year Limited Warranty, One Year on electrical system; excludes bulbs and fuses



*G500's feature a unique combination system of Graduated Iris Diaphragm mounted in the Condenser, paired with a Graduated Koehler Field Iris built into the Illuminator housing. These features allow maximum illumination control, perfect for viewing unstained specimens.*

*The graduations also allow a multi-user practice to set both Irises at the optimal setting based on the specimen type being viewed insuring consistent viewing parameters.*



Digital USB camera with C-Mount camera adapter

Item No.	Description
G502	Binocular Microscope with Achromat Objectives
G502T	Trinocular Microscope with Achromat Objectives
G503	Binocular Microscope with Semi-Plan Objectives
G503T	Trinocular Microscope with Semi-Plan Objectives
G504	Binocular Microscope with Plan Objectives
G504T	Trinocular Microscope with Plan Objectives
G500-8020	C-Mount Camera Adapter, 0.35x with Diopter

	G502	G502T	G503	G503T	G504	G504T
<b>Head</b>	Binocular	Trinocular	Binocular	Trinocular	Binocular	Trinocular
<b>Eyepiece</b>	10X WF(2)Hi-EP	10X WF(2)Hi-EP	10X WF(2)Hi-EP	10X WF Hi-EP	10X WF Hi-EP	10X WF Hi-EP
<b>Objectives</b>	4,10,40,100X Achromat	4,10,40,100X Achromat	4,10,40,100X Semi-Plan	4,10,40,100X Semi-Plan	4,10,40,100X Plan	4,10,40,100X Plan
<b>Condenser</b>	NA 1.25	NA 1.25	NA 1.25	NA 1.25	NA 1.25	NA 1.25
<b>Diaphragm</b>	Iris	Iris	Iris	Iris	Iris	Iris
<b>Stage</b>	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
<b>Illumination</b>	3 Watt LED	3 Watt LED	3 Watt LED	3 Watt LED	3 Watt LED	3 Watt LED
<b>Focusing</b>	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial

## G500 Series Phase Contrast Microscopes

Viewing unstained transparent or translucent specimens has never been easier or more effective. The G500 includes easy to use Phase Sliders (10x/40x and 20x/100x) that mount in the condenser by simply sliding them from one side to the other. No more aligning screws, just simplicity.

- HEADS: Binocular, or Camera-Ready Trinocular, inclined 30°
- EYEPIECES: Paired 10x Wide Field, High Eyepoint with Dual Diopter and FN 18 mm
- STAGE: Graduated Mechanical Stage with low-position coaxial X-Y controls. Ball bearing movement allows for smooth, precise adjustments. Stage size is 180 mm x 150 mm and the range of X-Y stage movement is 80 mm x 50 mm
- OBJECTIVES: Plan Phase 10x, 20x, 40x and 100x with 4x brightfield.
- CONDENSER: Focusable and centerable N.A. 1.25 Abbe condenser with graduated iris diaphragm. Phase contrast annulus sliders fit through center slot on condenser
- KOEHLER FIELD IRIS: Graduated field Iris allows precise positioning to be set based on specific type of specimen being viewed
- ILLUMINATION: High intensity LED with rheostat to control intensity
- ELECTRICAL: 110V- 60 Hz to 240V- 50 Hz, universal power supply. The fuse rating is 250V 1.5A
- INCLUDED ACCESSORIES: Complete with dust cover, two extra fuses, green filter and operation manual
- WARRANTY: Five Year Limited Warranty, One Year on electrical system; excludes bulbs and fuses



Actual Size: 16"H x 6"W x 12"D  
Shipping Dimension:  
21"L x 19"W x 10"H  
Net Weight: 14.5 lbs  
Shipping Weight: 19 lbs

**G502T  
with B6-8185**

G502T shown here with 5.6MP digital camera (B6-8185). USB connection to PC and included software (supporting Win XP and Win 7) provide convenient image viewing and capturing option.

Item No.	Description
G505	Binocular Phase Contrast Microscope with 10x, 20x, 40x and 100x Plan Phase, and 4x Brightfield Objectives
G505T	Trinocular (Camera-Ready) Phase Contrast Microscope with 10x, 20x, 40x and 100x Plan Phase Objectives, and 4x Brightfield Objective
G500-8020	C-Mount Camera Adapter, 0.35x with Diopter control
G500-8031	10x/40x Phase Contrast Annulus Slider
G500-8032	20x/100x Phase Contrast Annulus Slider

### Phase Contrast Sliders



**G500-8031**



**G500-8032**

Phase contrast objectives require the use of a matching annulus in the condenser. We offer two phase annulus sliders as shown to the left. The first is matched to the 10x and 40x objectives, and the other is matched to the 20x and 100x objectives. Using these sliders makes phase contrast quick and easy as compared to traditional turret condensers.



Phase kit with centering telescope, one 10x/40x slider, one 20x/100x slider, and 10x, 20x, 40x, and 100x phase contrast objectives.

	G505	G505T
<b>Head</b>	Binocular	Trinocular
<b>Eyepiece</b>	10X WF(2)Hi-EP	10X WF(2)Hi-EP
<b>Objectives</b>	4, 10, 40, 100X Plan Phase 4X Brightfield	4, 10, 40, 100X Plan Phase 4X Brightfield
<b>Condenser</b>	NA 1.25	NA 1.25
<b>Diaphragm</b>	Iris	Iris
<b>Stage</b>	Mechanical	Mechanical
<b>Illumination</b>	3 Watt LED	3 Watt LED
<b>Focusing</b>	Coaxial	Coaxial

## G500 Series Polarizing Microscopes



**G508**

Actual Size: 18"H x 6"W x 12"D  
 Shipping Dimension: 21"L x 19"W x 10"H  
 Net Weight: 14.5 lbs  
 Shipping Weight: 19 lbs

G500 Polarizing Microscopes are full-featured and LED illuminated. Designed with a round 360° rotating stage, graduated in one degree increments and filters for full crystal visualization. G500's feature a unique combination system of Graduated Iris Diaphragm mounted in the Condenser, paired with a Graduated Koehler Field Iris built into the Illuminator housing. These features along with an intensity rheostat allow for maximum illumination control.

Polarization system consists of a 360° rotating round stage, 360° rotatable polarizer, 360° rotatable analyzer, three Compensator Plate sliders (Gypsum, Mica & Quartz) and a swing-out Intermediate Tube Analyzer (90°).

- HEADS: Binocular, or Camera-Ready Trinocular, inclined 30°
- EYEPIECES: Paired 10x Wide Field, High Eyepoint with Dual Diopter and FN 18 mm
- STAGE: Round 360° rotating stage, 160mm diameter, graduated
- OBJECTIVES: Plan Destressing Polarizing Objectives: 10x, 20x and 40x and 4x brightfield
- POLARIZATION SYSTEM: Polarizer, Analyzer, three Compensator Plates and a swing-out Intermediate Tube Analyzer (90°)
- CONDENSER: Focusable and centerable N.A. 1.25 Abbe condenser with graduated iris diaphragm
- KOEHLER FIELD IRIS: Graduated field Iris allows precise positioning to be set based on specific type of specimen being viewed
- ILLUMINATION: High intensity 3 Watt LED with rheostat to control intensity. Koehler illumination field diaphragm for superior contrast control. Phase contrast, Epi-Fluorescent and Polarizing options are available
- ELECTRICAL: 110V- 60 Hz to 240V- 50 Hz, universal power supply. The fuse rating is 250V 1.5A
- INCLUDED ACCESSORIES: Complete with dust cover, two extra fuses, neutral density filter and operation manual
- CONTROL SLIDE: Includes Urate (Uric Acid) Crystal Control Slide
- WARRANTY: Five Year Limited Warranty, One Year on electrical system; excludes bulbs and fuses

UNICO offers a unique Urate Crystal Control Slide (item #97100) specifically designed to assist in proper setup of your polarizing microscope and as a urate crystal control to assist in confirmation of your results. The control slide can also be used as a teaching aid for Rheumatology and Urology.



Trinocular Camera-Ready head shown with G500-8020 C-Mount camera adapter and B6-8185 digital camera. See page 24 for more details about the camera.

Item No.	Description
G508	Binocular Polarizing Microscope with 10x, 20x and 40x Plan Objectives plus 4x brightfield
G508T	Trinocular Polarizing Microscope with 10x, 20x and 40x Plan Objectives plus 4x brightfield
G500-8020	C-Mount Camera Adapter, 0.35x with Diopter
97100	Urate Crystal Control Slide

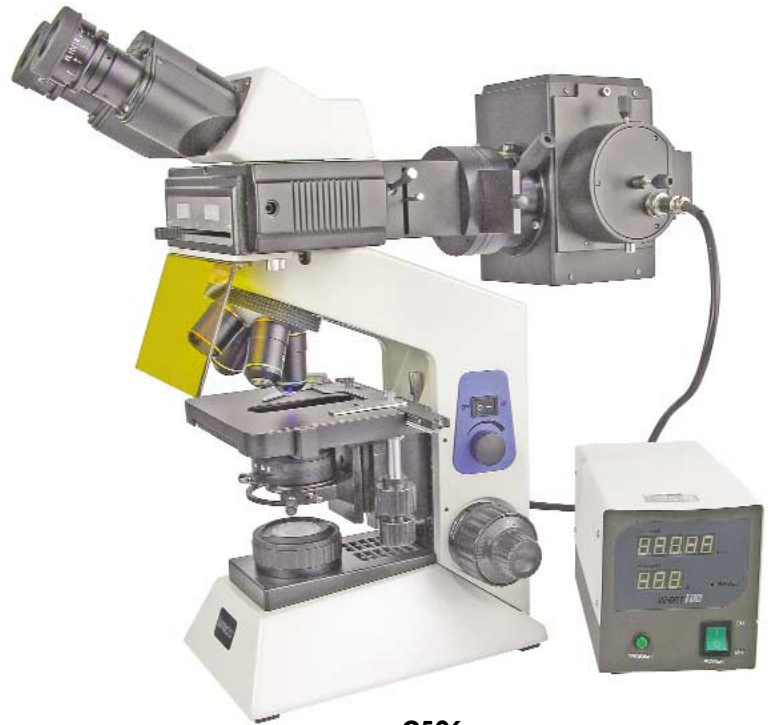
	G508	G508T
<b>Head</b>	Binocular	Trinocular
<b>Eyepiece</b>	10X WF(2)Hi-EP	10X WF(2)Hi-EP
<b>Objectives</b>	4,10,40,100X Plan	4,10,40,100X Plan
<b>Condenser</b>	NA 1.25	NA 1.25
<b>Diaphragm</b>	Iris	Iris
<b>Stage</b>	Mechanical	Mechanical
<b>Illumination</b>	LED	LED

## G500 Epi-Fluorescence Microscopes

G500 Epi-Fluorescence microscopes feature two illumination systems: LED and 100 Watt Mercury bulbs. Available with standard mechanical or heated mechanical stages depending on your application. G505's feature a unique combination system of Graduated Iris Diaphragm mounted in the Condenser, paired with a Graduated Koehler Field Iris built into the Illuminator housing. These features along with an intensity rheostat allow for maximum illumination control.

Epi-Fluorescence with Heated Stage Applications: Research is being conducted with live cells using fluorescence illuminated microscopes. Heated stages are required to keep the temperature at the right setting to help keep the cells alive while being viewed.

- HEADS: Binocular, or Camera-Ready Trinocular, inclined 30°
- EYEPIECES: Paired 10x Wide Field, High Eyepoint with Dual Diopter and FN 18 mm
- STAGE: Graduated Mechanical Stage with low-position coaxial X-Y controls. Ball bearing movement allows for smooth, precise adjustments. Stage size is 180 mm x 150 mm and the range of X-Y stage movement is 80 mm x 50 mm
- OBJECTIVES: Plan: 4x, 10x, 40x and 100x
- FILTER CUBES: Four slots: UV3, B3 (Blue) and G3 (Green)
- FILTER HOLDER: Four position Filter Holder, 3 Filters supplied
- CONDENSER: Focusable and centerable N.A. 1.25 Abbe condenser with graduated iris diaphragm
- KOEHLER FIELD IRIS: Graduated field Iris allows precise positioning to be set based on specific type of specimen being viewed
- ILLUMINATION: 3 Watt LED (bottom) & 100 Watt Mercury bulb (top)
- UV PANEL: UV blocking panel above stage
- ELECTRICAL: 110V- 60 Hz to 240V- 50 Hz, universal power supply. The fuse rating is 250V 1.5A
- INCLUDED ACCESSORIES: Complete with dust cover, two extra fuses, neutral density filter and operation manual
- WARRANTY: Five Year Limited Warranty, One Year on electrical system; excludes bulbs and fuses



G506

### Fluorescence Filter Cubes:

Filter Cube	Exciter	Dichroic	Emitter
UV3	365nm	400nm	430nm
B3 (Blue)	475nm	505nm	520nm
G3 (Green)	525nm	560nm	595nm

### Item No. Description

G506	Binocular Epi-Fluorescence Microscope with 10x, 20x, 40x & 100x Plan Objectives
G506T	Trinocular Epi-Fluorescence Microscope with 10x, 20x, 40x & 100x Plan Objectives and Digital 5.6 Mega Pixel USB Camera with image capture software for Windows XP or 7
G506HS	Binocular Epi-Fluorescence Microscope with 10x, 20x, 40x & 100x Plan Objectives and Heated Stage system
G506THS	Trinocular Epi-Fluorescence Microscope with 10x, 20x, 40x & 100x Plan Objectives and Heated Stage system

	G506	G506T
<b>Head</b>	Binocular	Trinocular
<b>Eyepiece</b>	10X WF(2)Hi-EP	10X WF(2)Hi-EP
<b>Objectives</b>	4, 10, 40, 100X Plan	4, 10, 40, 100X Plan
<b>Condenser</b>	NA 1.25	NA 1.25
<b>Diaphragm</b>	Iris	Iris
<b>Stage</b>	Mechanical	Mechanical
<b>Illumination</b>	LED	LED



Heated Stage Epi-Fluorescence version is perfect for keeping cells alive during study. We recommend the Trinocular version with Digital Video Camera.

## IP730/IP750 Series Microscopes



Oversized stage,  
180 mm x 150 mm

The IP730 from UNICO is designed to provide crisp, clear imaging on a versatile and ergonomic platform. Available with a variety of optics and configuration choices. The IP750 series is designed with high-end Infinity optics.

- **HEADS:** Binocular or Trinocular heads. Featuring 55 - 75 mm interpupillary distance adjustment. Both heads rotate 360°, one eye tube with diopter adjustment
- **EYEPIECES:** 10X, 20mm FN High Eyepoint Widefield (IP730) or 10X, 22mm FN High Eyepoint Widefield (IP750)
- **STAGE:** Graduated Mechanical Stage with low-position coaxial X-Y controls. Ball bearing movement allows for smooth, precise adjustments. Stage size is 180 mm x 150 mm and the range of X-Y stage movement is 80 mm x 50 mm
- **OBJECTIVES:** All models are equipped with either achromatic or plan Infinity 4X, 10X, 40XR and 100XR (Oil) objectives. The Phase Contrast model has 4X Plan, 10X, 40X, and 100X Plan Phase objectives
- **CONDENSER:** Focusable and centerable N.A. 1.25 Abbe condenser with graduated iris diaphragm and filter holder
- **ILLUMINATION:** Koehler illumination with field iris diaphragm featuring a 6 Volt / 20 Watt Halogen light source. Variable intensity rheostat wheel is located on the left side of the base
- **ELECTRICAL:** 110V- 60 Hz to 240V- 50 Hz
- Complete with dust cover, blue filter, two extra fuses and operation manual
- Five Year Limited Warranty, One Year on electrical system; excludes bulbs and fuses

Item No.	Description
IP730	Advanced Binocular Microscope, Achromat
IP730SP	Advanced Binocular Microscope, Semi-Plan
IP730PL	Advanced Binocular Microscope, Plan
IP733	Advanced Trinocular Microscope, Achromat
IP733SP	Advanced Trinocular Microscope, Semi-Plan
IP733PL	Advanced Trinocular Microscope, Plan
IP735	Advanced Binocular Microscope, Plan Phase
IP735T	Advanced Trinocular Microscope, Plan Phase
IP750-8901	Carrying Case for IP730 Series, Lockable
IP730-8030	Plan Phase Set with 10, 40, 100X Objectives
IP750-8020	C-Mount Video Adapter for IP730 and IP750 Series
IP750-6003	Dark Field Condenser for IP730 and IP750 Series

Item No.	Description
IP750	Advanced Binocular Infinity Microscope, Achromat
IP750PL	Advanced Binocular Infinity Microscope, Plan
IP753	Advanced Trinocular Infinity Microscope, Achromat
IP753PL	Advanced Trinocular Infinity Microscope, Plan
IP755	Advanced Binocular Infinity Plan Phase Microscope
IP755T	Advanced Trinocular Infinity Plan Phase Microscope
IP750-8901	Carrying Case for IP750 Series, Lockable
IP750-8030	Infinity Plan Phase Set with 10, 40, 100X Objectives
IP750-8020	C-Mount Video Adapter for IP730 and IP750 Series
IP750-6003	Dark Field Condenser for IP730 and IP750 Series
B6-7006	Halogen Bulb, 6 Volt / 20 Watt
B6-9005	Fuse, 50V, 1.5A



Close-up of graduated Iris diaphragm, graduated Koehler Illuminator diaphragm and graduated fine focus control



Hard-sided padded carry case with lock and two keys



IP750 Plan Phase Contrast Set

## IV950 Series Inverted Microscopes

UNICO IV950 Series Inverted Microscopes are designed for Tissue Culture, Cell Biology, Microbiology and more. Featuring Binocular or Trinocular heads and Long Working Distance (LWD) objectives in your choice of Plan Achromat or Plan Phase Contrast. The over-sized stage offers precise and smooth ball-bearing movement, for clear, steady viewing while scanning the field of view. Precise fine focus controls move in 0.002 mm scale value increments. Phase Contrast models include a Centering Telescope.

### LWD Plan Objectives Available:

Plan Achromat Brightfield: 4x, 10x, 20x and 40x  
 Plan Phase Contrast: 10x, 20x, and 40x

### Specifications:

- Inverted microscope, 4-hole nosepiece
- Binocular head inclined 45°, vertical Trinocular
- Interpupillary Distance range: 50 -75 mm
- Bright 12 Volt / 30 Watt Halogen Bulb
- Intensity Rheostat for lighting control
- Plan Achromat, or Plan Phase Objectives
- 10x Extra-Widefield eyepieces, paired
- Left eyetube with Diopter focus control
- Optional cross-hair Reticule, 0.1 mm scale
- Stage Size: 242 mm x 172 mm
- Graduated Mechanical Stage, low position controls
- Center Stage ring diameter is 110 mm
- Centering Telescope included with Phase models
- Filters: Blue, Green, Yellow and Frosted



Trinocular head



Innovative and ergonomic design makes extended viewing comfortable.



Close-up of the inverted nosepiece and objectives.

Item No.	Description
IV951	Inverted Binocular, Plan Brightfield, 4x, 10x, 20x, 40x
IV951T	Inverted Trinocular, Plan Brightfield, 4x, 10x, 20x, 40x
IV952	Inverted Binocular, Brightfield Plan, 4x, & 10x, Phase 20x and 40x
IV952T	Inverted Trinocular, Brightfield Plan, 4x, & 10x, Phase 20x and 40x
IV953	Inverted Binocular, Brightfield Plan, 4x, Phase 10x, 20x and 40x
IV953T	Inverted Trinocular, Brightfield Plan, 4x, & Phase 10x, 20x and 40x
IV950-7007	12 Volt / 30 Watt Halogen Bulb, 2 pin
IV950-8020	C-Mount Camera Adapter for Trinocular models
IV950-1501	10x Widefield Eyepiece, FN 20, single
IV950-1502	10x Widefield Eyepiece, FN 23, single
IV950-8901	Cross-Hair Reticule with 0.1 mm scale

	IV951	IV951T	IV952	IV952T	IV953	IV953T
<b>Head</b>	Binocular	Trinocular	Binocular	Trinocular	Binocular	Trinocular
<b>Eyepiece</b>	10X WF(2)	10X WF(2)	10X WF(2) and centering eyepiece	10X WF(2) and centering eyepiece	10X WF(2) and centering eyepiece	10X WF(2) and centering eyepiece
<b>Brightfield Objectives</b>	4,10,20,40X Plan	4,10,20,40X Plan	4,10X Plan	4,10X Plan	4X Plan	4X Plan
<b>Phase Objectives</b>	None	None	20,40X Plan Phase	20,40X Plan Phase	10,20,40X Plan Phase	10,20,40X Plan Phase
<b>Condenser</b>	NA 0.65	NA 0.65	NA 0.65	NA 0.65	NA 0.65	NA 0.65
<b>Diaphragm</b>	Iris	Iris	Iris	Iris	Iris	Iris
<b>Stage</b>	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
<b>Illumination</b>	Halogen	Halogen	Halogen	Halogen	Halogen	Halogen
<b>Bulb</b>	12 Volt/30 Watt	12 Volt/30 Watt	12 Volt/30 Watt	12 Volt/30 Watt	12 Volt/30 Watt	12 Volt/30 Watt
<b>Focusing</b>	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial



## ZM180 Zoom Stereomicroscopes



**Model ZM181HF**

*ZM181HF with extended Pillar/Post mount.*

*ZM180 Series Stereomicroscopes provide sharp 3-D imaging.*



**Model ZM184HFT**

*ZM184 with Trinocular Head and Extender Arm stand.*

The ZM180 Series Zoom Stereomicroscopes offer smooth, continuous zoom magnification, through the entire 7x – 45x range. Available with a variety of stand and illumination choices; the standard optical configurations give 7 - 45x with 10x eyepieces. However, the magnification range can vary from 2.1x to 225x depending on the combination of eyepieces and auxiliary objective lenses you select.

We have a ZM Zoom Stereo for you! Available with a wide variety optical, stand and illumination options we have a model for your application. For temperature sensitive work such as fertility or insemination applications, we recommend models with cool-burning fluorescent bottom illumination to eliminate overheating your specimens. As you review the following selections keep in mind the range of eyepieces and auxiliary objective lenses available:

### ZM180 Series Standard Features:

- Continuous Zoom Binocular or Trinocular Heads, 7 – 45x
- Parfocal Zoom stays in focus over entire zoom range
- Superior optical design with crisp resolution
- Heads rotate 360°, and lock in-place with thumb screws
- Eyepieces are inclined at a 45° angle for viewing comfort
- Dual-Diopter, independent focus controls on each eyetube
- Interpupillary Distance Adjustment of 55 mm to 75 mm
- Working distance of 108 mm (with standard optical configuration)
- All metal head, stand and body construction

### ZM180 Series Options and Accessories:

- Extra-Widefield Eyepieces: 10x, 15x, 20x and 25x
- Auxiliary Objectives: 0.3x, 0.5x, 0.75, 1.5x and 2x
- Magnification range of: 2.1x to 225x depending on optics selected
- Stand Selection: Solid Arm or Pillar/Post Mount
- Illumination choices: Halogen, Fluorescent and Fiber Optics
- Camera Adapters for C-Mount Video or SLR cameras
- Frosted, Clear and Black/White Stage Plates

Item No.	Description	Stand	Illumination
ZM181	Binocular Zoom Stereo	Pillar/Post	None
ZM181T	Trinocular Zoom Stereo	Pillar/Post	None
ZM181HF	Binocular Zoom Stereo	Pillar/Post	Halogen (top) Fluorescent (bottom)
ZM181HFT	Trinocular Zoom Stereo	Pillar/Post	Halogen (top) Fluorescent (bottom)
ZM184HF	Binocular Zoom Stereo	Extender Arm	Halogen (top) Fluorescent (bottom)
ZM184HFT	Trinocular Zoom Stereo	Extender Arm	Halogen (top) Fluorescent (bottom)

### Optical Accessories for the ZM Series

Item No.	Description
D4-1001	10x Widefield Eyepiece, each
D4-1002	15x Widefield Eyepiece, each
D4-1003	20x Widefield Eyepiece, each
D4-1004	25x Widefield Eyepiece, each
D4-2001	2x Auxiliary Objective
D4-2003	0.75x Auxiliary Objective
D4-2004	0.5x Auxiliary Objective
D4-2005	0.3x Auxiliary Objective
D4-8020	Video Adapter with C-Mount, adjustable
D4-8010	SLR Camera Adapter (requires T-Mount)

## Stereo Zoom IVF/ET Microscopes

The ZM188's are configured for IVF/ET, or In Vitro Fertilization Pre-Embryo Transfer.

Using the specially designed microscope, you can place the light source to illuminate from the top (incident), or from the bottom (transmitted). The Diascopic base allows excellent viewing of unstained translucent specimens with transmitted (bottom) illumination. This is accomplished by bouncing the incoming light off a mirror mounted in the base, so the light strikes the specimen at just the right angle to increase contrast and clarity of transparent & translucent specimens.

A special configuration of optics provides a continuous magnification Zoom Range of 10.5X – 67.5X; everything you need for IVF / ET.

Three models of ZM188's are available, a Binocular (ZM188) and Camera-Ready Trinocular (ZM188T) and a Trinocular with digital camera package (ZM188TC).

### Specifications:

- Paired 15X High-Eyepoint Eyepieces
- Dual Diopter adjustment on eyepieces
- Zoom range of 10.5X through 67.5X
- Variable intensity cool light source
- Light Source mounts top or bottom, (Diascopic)
- Choose Binocular, or Camera-Ready Trinocular heads
- Trinocular models include C-Mount camera adapter
- Capability to add optional C-Mount cameras
- Large stage with moveable/removable stage clips
- Ability to view large objects on stage
- Dual focus knobs with knurled grips



Light source shown in incident or top position.

**ZM188T**



Shown with Dual Chrome Gooseneck Fiber Optic Light Guides

**Fiber Optic Illuminator**



Light source shown installed at rear of base in correct position for IVF. This position is transmitted (bottom) illumination.

### Illuminator Accessories for the ZM Series

Item No.	Description
D4-7004	Fiber Optic Light Power Supply, 115 Volt / 100 Watt
D4-7002	Dual Chrome Gooseneck Fiber Optic Light Guides (requires D4-7004)
D4-7003	Fiber Optic Ring Light Guide (requires D4-7004)
D4-7030	Fluorescent Ring Light with adapter for ZM Series
D4-7011	Ring Lamp Bulb, fluorescent
D4-7013	Halogen Bulb, 6 Volt / 20 Watt
D4-7014	Fluorescent Bulb, 6 Volt / 5 Watt

Item No.	Description
ZM188	Zoom Binocular IVF / ET Microscope
ZM188T	Zoom Trinocular IVF / ET Microscope
ZM188TC	Zoom Trinocular IVF / ET Microscope with 5.6 MP Digital Camera and image capture software for Windows XP or 7

## Microscope Accessories



### Microscopy Organizer Station

Finally, a way to organize all your microscopy accessories in one space-saving, convenient place! Organize slides and cover slips for easy access. Organize optical lens cleaners, tissues, and immersion oil. Features a Kimwipes® dispenser and places to store your stains and accessories. Made of sturdy 3/16" see-thru acrylic measuring 10.5"W x 4.5"D x 12"H.

Item No.	Description	UOM
91250	Microscopy Organizer Station	EA

### Optical Cleaning Kit

This kit is designed to protect and maintain one of the most valued assets in your laboratory. It has everything you need to take care of your microscope optics.

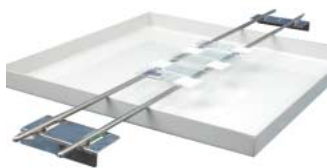
#### Includes:

- Blow Brush used to remove dust from lens surfaces
- Multi-coated formula Lens Cleaner
- Premium grade Lens Cleaning Tissue
- Micro-fiber Cloth
- Place Mats for eyepieces
- Carrying Case
- Detailed instructions



Item No.	Description
B6-8910	Optical Cleaning Kit

### Slide Staining Rail



- Durable stainless steel construction
- 24" long rails hold up to 22 slides
- Fits sinks or trays up to 21" wide
- Stain, rinse, drain and dry quickly and easily
- Measures 24"W x 3.5"D x 1"H

Item No.	Description	UOM
91005	Slide Staining Rail	EA



Objectives



Immersion Oil



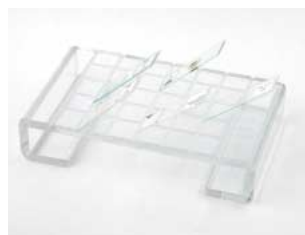
Eyepieces

### Compound Microscope Accessories

Item No.	Description
B2-7003	Fluorescent Bulb, 7 Watt
B6-7006	Halogen Bulb, 6 Volt / 20 Watt
B6-7007	Halogen Bulb, 6 Volt / 30 Watt
B6-1401	10x Widefield Eyepiece
B6-1402	10x High-Eyepoint Widefield Eyepiece
B6-8901	Eyepiece Reticule, 0.1mm divisions
B6-8903	Stage Micrometer Slide, 0.1mm divisions
B6-2101	4x DIN Achromat Objective
B6-2102	10x DIN Achromat Objective
B6-2108	20x DIN Achromat Objective
B6-2103	40x DIN Achromat Objective (retractable)
B6-2107	60x DIN Ach. Objective (retractable, dry)
B6-2104	100x DIN Achromat Oil Immersion Object.
B6-2201	4x DIN Semi-Plan Objective
B6-2202	10x DIN Semi-Plan Objective
B6-2203	40x DIN Semi-Plan Objective (retractable)
B6-2204	100x DIN Semi-Plan Oil Immersion Object.
B6-2301	4x DIN Plan Objective
B6-2302	10x DIN Plan Objective
B6-2303	40x DIN Plan Objective (retractable)
B6-2308	50x DIN Plan Oil Immersion Objective
B6-2304	100x DIN Plan Oil Immersion Objective
B6-2422	10x DIN Semi-Plan Phase Objective
B6-2423	40x DIN Semi-Plan Phase Objective (R)
B6-2424	100x DIN Semi-Plan Phase Objective (Oil)
B6-9005	Fuse, 250 Volt, 1.5 Amp
B6-8001	Dust Cover
B6-8910	Optical Cleaning Kit
B6-8905	Immersion Oil, 7 ml, Type A
B6-6010	Blue (Daylight) Filter, 31.5mm

We inventory an extensive line of additional parts and accessories not shown here due to space limitations. If you do not see what you want or need, please contact us for more information.

### Slide Drying Rack



- Dry and organize up to 30 slides at a time
- Space-saving design, small footprint
- Organize slides in rows, six rows of 5 slides
- Measures 8.5"W x 5"D x 2.2"H

Item No.	Description	UOM
91400	Slide Drying Rack	EA



## Chart Holder

- Perfect for wall mounting inside/outside exam rooms
- Separate completed documents for filing or "send-outs"
- Made of heavy gauge 3/16" acrylic materials

Item No.	Description	Size
30100	Chart Holder - Wall mount	12" x 10" x 2"

## Anti-Fatigue Floor Mats



Tired of sore legs and feet? We have an answer! Try our Anti-Fatigue mats; you will be glad you did!

- Two sizes to fit your space requirements
- Feel better at the end of your shift!
- Comfortable 1/2" thick mats

Item No.	Description	Size
84510	2' x 3' Black Mat	2' x 3'
84515	3' x 5' Black Mat	3' x 5'

## Kimwipes® Dispensers



The versatile large dispenser holds large or extra large Kimwipes® boxes, or 3 small boxes lined up together.

- Small and Large box dispensers available
- Includes mounting hardware
- Made of sturdy 3/16" acrylic

Item No.	Description	Size
20650	Dispenser, Small Box	5.25"W x 3"D x 4.75"H
20655	Dispenser, Large Box	15"W x 5.5"D x 4"H



## Biohazard Shield

Help prevent exposure to you and your staff from potentially harmful materials by splash or spill. Constructed of heavy 3/16" acrylic; our shields provide low cost - high value addition to your lab or practice. Use when opening urines, blood samples, or while pipeting and transferring hazardous liquids.

Item No.	Description	Size
11410	Biohazard Shield	11.5"W x 7.5"D x 15"H

## Multi-Task Organizer



Have everything you need at your fingertips with this useful organizer! Features dispensers for gloves, Kimwipes®, Parafilm® roll stock dispenser and more.

- Two storage compartments with hinged lids
- Dispenses roll stock, Parafilm® or labels
- Kimwipes® and glove dispensers
- Stores backup boxes of gloves and Kimwipes® for added convenience
- Constructed of durable 3/16" acrylic

Item No.	Description	Size
49500	Multitask Organizer	11.5"W x 7"D x 16.5"H

## Glove Box Dispensers



22350 Glove Box Dispenser, 3 Horizontal



22250 Glove Box Dispenser, 2 Horizontal



22150 Glove Box Dispenser, 1 Horizontal / 1 Vertical

Always searching for your gloves? Mount a dispenser on the wall; your gloves will be in the same place every time and free-up benchtop space! Select 1, 2 or 3 box holders. Made of heavy duty 3/16" thick acrylic for long life.

- Benchtop, or wall mount to save benchtop space
- Keeps gloves in the same place, easy to find
- Single, Double, or Triple: horizontal or vertical mounts
- Fits any size/brand glove box
- Includes mounting hardware
- Single box dispenser can be mounted horizontally or vertically

Item No.	Description	UOM	Size
22150	Glove Box Dispenser, 1 Horizontal / 1 Vertical	EA	11"W x 4.25"D x 6"H
22250	Glove Box Dispenser, 2 Horizontal	EA	11"W x 4.25"D x 10"H
22272	Glove Box Dispenser, 2 Vertical	EA	5.5"W x 4"D x 20"H
22373	Glove Box Dispenser, 3 Vertical	EA	5.5"W x 4"D x 30"H
22350	Glove Box Dispenser, 3 Horizontal	EA	11"W x 4.25"D x 16"H



Our vertical dispensers can also be mounted horizontally, as shown



22272 Glove Box Dispenser, 2 Vertical



22373 Glove Box Dispenser, 3 Vertical

## Towel Dispensers



20500 Small Towel Dispenser



20600 Large Towel Dispenser

Keep your towels organized, dry and safe from spills in our handy dispensers. Take only one towel at a time, or a handful! Easy access when wearing gloves. Made of sturdy 3/16" acrylic.

Item No.	Description	UOM	Size
20500	Towel Dispenser, Small	EA	10.5"W x 4"D x 6.5"H
20600	Towel Dispenser, Large	EA	11"W x 4.5"D x 15.25"H

## 4-Drawer Organizers



48510 Organizer, 8"

48512 Organizer, 12"

48513 Tray

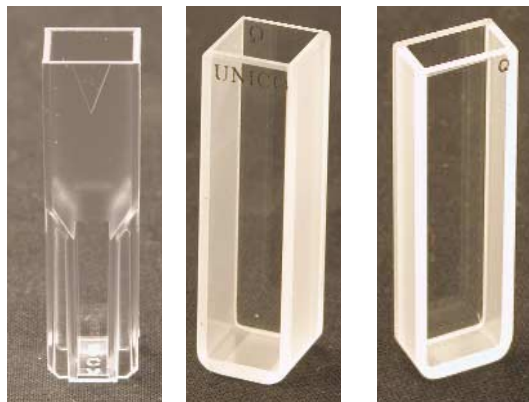
Organize your supplies with these 4-drawer units in 8" or 12" sizes. Each drawer includes movable dividers to customize the space. Made of durable 3/16" acrylic. Optional tray fits 8" and 12" organizers together.

Item No.	Description	Size
48510	Organizer, 4-drawer, 8" wide	8"W x 5.25"D x 8.5"H
48512	Organizer, 4-drawer, 12" wide	12"W x 5.25"D x 8.5"H
48513	Tray to hold 48510 and 48512	20"W x 5.25"D x 1.5"H
48514	Set of 8", 12" Organizers & Tray	20"W x 5.25"D x 8.5"H

# Spectrophotometers



**S1205 Visible Spectrophotometers**



**Cuvets**

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| PowerSpin™     | Tube-CUBE™     |
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## Need help selecting a Spectrophotometer?

UNICO is proud to offer a full line of Visible and UV/Visible Spectrophotometers. Our applications engineers can help you select the right model based on your applications. We have models ranging from very basic and inexpensive visible educational models, standard lab testing models, to advanced Scanning UV/Vis models for research. We offer a variety of software, accessories and cuvettes to complement the line.

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**SQ-4802 Double Beam UV/Vis Spectrophotometers**



**S1100RS Series Visible Spectrophotometers**

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