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# UNICO PowerSpin™ Centrifuge Selection Guide



C806



C8312



C8724



CMH30



C881

**This guide will 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 G-force or RCF, not speed. The RCF determines the ability of a centrifuge to separate the sample. Most samples must be rotated within a specific RCF range to adequately prepare the sample for testing and analysis. The following guide will help you select a model based on RCF, RPM, number of tubes, samples, and other attributes.

## CLIA, Speed Calibration and Check:

Your lab or practice may be subject to CLIA regulations if what you do is considered "moderately complex" or "highly complex." CLIA, (Clinical Laboratory Improvement Amendment of 1988); may dictate that your centrifuges must be "calibrated" every 6 months. CLIA inspectors can visit your facility to make sure you are maintaining your equipment and following protocols; and that your team is capable of carrying out the protocols correctly, etc. Calibration involves using a tachometer to verify the speed accuracy of your centrifuge. CLIA inspectors will "pass" a centrifuge that operates within 100 RPM or so of the actual setting. For example, your centrifuge is set to spin at 3400 RPM; CLIA will approve it if it is between 3300 and 3500 RPM; as long as your protocol requires spinning in that range as well. To check your centrifuge you can purchase a UNICO tachometer, item# C800-75.

## Centrifugation of urine samples:

A note of caution if centrifuging urine samples: If you have a fixed speed centrifuge, it is most likely that the FGR and speed are set to spin blood samples only. Urine samples must be centrifuged at a very low RCF to properly prepare the sample. If your facility is subject to CLIA and you centrifuge urine samples in a blood centrifuge, the CLIA inspector may not allow the centrifuge to pass inspection. You will be asked to stop spinning the urine samples or purchase a centrifuge capable of spinning at the correct RCF to separate the urine samples.

If you would like to speak with an applications specialist to help you select the right centrifuge for your applications, please contact us at: 800-588-9776, 732-274-1155 or [info@unicosci.com](mailto:info@unicosci.com).

## Digital Laser Tachometer

This digital laser tachometer is an essential tool for verifying the performance and calibration of your centrifuge. It allows you to accurately measure rotational speed, ensuring your experiments and procedures are performed correctly. The tachometer includes all necessary components: reflective tape, batteries, and a convenient storage case.



Item No.		Description				
C800-75		Tachometer, Hand-Held & Battery charged				
Model	Microhematocrit	DNA Protein	Speed	Rotor	Maximum RPM	Maximum RCF (g)
FX	With Adapters	No	Fixed	Fixed	3400	1,320
FX	With Adapters	No	Fixed	Fixed	3400	1,320
LX	With Adapters	No	Variable	Fixed	500-4,000	Up to 1,828
LX	With Adapters	No	Variable	Fixed	500-4,000	Up to 1,828
PX	With Adapters	No	Fixed	Fixed	3400	1,320
PX	With Adapters	No	Fixed	Fixed	3400	1,320
HX	With Adapters	No	Fixed	Horizontal	3500	1,777
HX	With Adapters	No	Fixed	Horizontal	500-3,500	1,777
HXV	With Adapters	No	Variable	Horizontal	500-3,500	1,777
HXV	With Adapters	No	Variable	Fixed	500-3,500	1,777
DX	With Adapters	No	Variable	Horizontal	500-4,000	2,508
DX	With Adapters	No	Variable	Horizontal	500-4,000	2,508
DX	With Adapters	No	Variable	Fixed	500-4,000	2,508
CMH	Yes	No	Fixed	Fixed	12,000	14,837
BX	With Adapters	No	Variable	Fixed	5,000	2,571
BX	Yes	No	Variable	Horizontal	11,000	11,634
BX	No	No	Variable	Fixed	11,000	11,093

**How to Calculate RCF:** RCF = Relative Centrifugal Force (also known as "G Force")

**Centrifuge RCF calculation:**  $RCF = 1.12 \times R(\text{mm}) \times \text{Krpm} \times \text{Krpm}$  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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800-588-9776 [www.unicosci.com](http://www.unicosci.com)



LX color-coded fast speed setting



LX Centrifuge: C856

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

## Tube Adapters



C800-04 C800-03 C800-05 C800-02



FX Centrifuge: C806

## PowerSpin™ Centrifuges, Models FX and LX

The UNICO® PowerSpin™ series offers compact, economical, and ultra-quiet centrifuges designed for reliable performance in any laboratory setting. Available in both fixed-speed (FX) and variable-speed (LX) models, each unit features a fixed-angle rotor capable of holding 6 or 8 tubes, accommodating 7.5 to 15 mL volumes. With the use of adapters, smaller tubes ranging from 2 to 7 mL can also be spun effortlessly. For added convenience, the optional Tube Holdster™ accessory allows you to keep up to 18 tubes or adapters within easy reach, mounted horizontally on the centrifuge body. All PowerSpin™ models come pre-drilled and threaded to support this optional attachment, making organization and workflow more efficient.

### 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
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 C8302		PX C826 / C828	
Rotor radius	102 mm		102 mm		130 mm		102 mm	
	RPM	RCF	RPM	RCF	RPM	RCF	RPM	RCF
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")



## UNICO® PowerSpin™ Digital LX Centrifuge

The UNICO C856D PowerSpin LX Centrifuge is a powerful, reliable, and user-friendly benchtop centrifuge designed to meet the rigorous demands of today's laboratories. Whether used in clinical, research, educational, or industrial environments, the C856D delivers consistent performance and dependable results for a wide variety of sample separation tasks. This model features a bright digital speed display that allows users to monitor and control the speed with precision, up to a maximum of 4000 RPM. This ensures accurate and reproducible separation of samples such as blood, urine, and other biological fluids. The intuitive interface makes operation simple for technicians of all experience levels, while the digital feedback allows for greater control over centrifugation protocols.

### LX Accessories

Enhance the functionality and versatility of your PowerSpin LX centrifuge with a range of compatible accessories. Choose between the 8-place fixed angle rotor and the 6-place fixed angle rotor, both designed for optimal balance and smooth operation. These rotors are easy to install and built to securely hold standard tubes during high-speed spins. For added protection and cleanliness, the Regular Standard Tube Shield is available—sized specifically for 10 mL to 15 mL tubes—and sold in a convenient pack of 2. These shields help contain spills and reduce wear on the rotor chamber, making them a smart addition to your lab's routine maintenance and safety protocol.



8 place rotor for PowerSpin LX



6 Place Rotor for the PowerSpin LX



Regular standard tube shield for 10mL -15mL tube, pack of 2

### Features:

- Digital Speed Display: Accurately set and monitor speed up to 4000 RPM for optimal separation.
- 6-Place or 8-Place Rotor Options: Choose the configuration that best suits your tube capacity and throughput requirements.
- 30-Minute Mechanical Timer: Simple, manual timer dial lets you set precise spin times with ease.
- Quiet and Stable Operation: Low-vibration design ensures smooth and quiet performance in any lab setting.
- Safety-Locking Lid: Automatically locks during operation for added user safety.
- Durable Build: Sturdy construction ensures long-term reliability and consistent operation.

Item No.	Description
C856D	POWERSPIN LX CENTRIFUGE WITH DIGITAL SPEED DISPLAY, 6 PLACE ROTOR, MAX. SPEED 4000RPM, 30 MINUTES TIMER. 110V



## PowerSpin™ HX Series Centrifuge

The horizontal spin fixed speed PowerSpin™ HX centrifuge spins at 3400 RPM. The horizontal rotor ensures 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 HX series 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 users with the precise control of the spin cycle. Powerful brushless motor is maintenance free for years of dependable use. Stainless steel guard bowls are easy to clean and maintain.



### Key Features:

- **Glove-Friendly Keypad Controls:** Easy-to-use push-button keypad designed for operation while wearing gloves.
- **Versatile Rotor Options:** Available with 6, 8, or 12-place rotors for standard 3 to 15 mL tubes. (Adapters may be required for tubes smaller than 10 mL or shorter than 100 mm.)
- **Variable Speed Control:** Adjustable speed range from 500 to 3500 RPM.
- **Programmable Timer:** Electronic timer adjustable from 1 to 99 minutes with an audible end-of-run signal. Automatic memory recall of the last run's time and speed settings simplifies repetitive protocols.
- **Memory Function:** Retains the last used time and speed settings even after the unit is powered off. These settings are automatically recalled upon restart.



12 Place Angled Rotor



6 Place Swing Out Rotor



Tube shield for C8302 centrifuge, pack of 2

### Specifications:

- Replaceable rubber gasket
- Screw-down metal lid
- Timer: Digital 5-minute timer
- Motor: Air-cooled, brushed type AC motor
- Housing: Molded housing for dependable use
- Safety Features: Lid safety switch (motor shuts off when lid is lifted)
- Speed: 12,000 RPM
- Relative Centrifugal Force (RCF): 14,837g
- Power Input: 110V



The HX is also available with an 8 place rotor.



Item No.	Description
C8302	HX, 6 Place Horizontal Spin Centrifuge
C8304	HXV, 12 Place Fixed Speed Centrifuge
C8306	HXV, 6 Place Variable Speed Horizontal Centrifuge
C8308	HXV, 8 Place Variable Sped Horizontal Centrifuge
C8312	HXV, 12 Place Variable Speed Centrifuge
C8302-02	6 Place Swing Out Rotor
C8300-03	12 Place Angled Rotor
C8300-10	Fuse for HX Series Centrifuge



## UNICO® PowerSpin™ MH Centrifuge

The UNICO CMH30 is a robust, high-performance hematocrit microcentrifuge designed for demanding laboratory applications. It offers fast and accurate microhematocrit separations with its high-speed operation and easy-to-use features. This centrifuge is ideal for clinical laboratories, medical research, veterinary laboratories, blood banks and other environments requiring accurate hematocrit measurements.



### Key Features:

**High-Speed Centrifuge:** Achieves a powerful speed of 12000 RPM, generating 14,837g of RCF for fast and efficient microhematocrit separations.

**Large 24-place capacity:** Efficiently process a large volume of samples, saving valuable time in busy laboratories.

**Built-in 5-minute timer:** Ensures accurate and consistent spin times for accurate results.

**Rapid Braking System:** Quickly decelerates the rotor, minimizing waiting times and maximizing performance.

**Microhematocrit reader included:** Provides convenient and accurate hematocrit readings directly after centrifugation.

**Additional gasket included:** Extends the life of your centrifuge and ensures reliable operation.

**Heavy Duty Construction:** Built to withstand demanding laboratory environments, ensuring years of reliable service.

**Compact Design:** Space-saving dimensions (9" W x 10" D x 9" H) fit comfortably on any lab bench.

**110V Operation:** Compatible with standard US outlets for easy integration into your lab setup.



CMH30 microhematocrit rotor cover



Microhematocrit rotor with gasket for CMH30

Perfect for multiple microhematocrit samples



### Specifications:

- Capacity: 24 microhematocrit tubes
- Speed: 12000 RPM
- RCF: 14,837 g
- Timer: 5 minutes
- Voltage: 110V
- Width: 9 inches
- Depth: 10 inches
- Height: 9 inches
- Weight: 18 pounds
- Includes: Microhematocrit reader, additional gasket

Shipping Length: 13 in  
Shipping Height: 13 in  
Shipping Width: 13 in  
Item Weight: 15 lb

Item No.	Description
CMH30	24 PLACE HEAVY DUTY MICRO HEMATOCRIT WITH 5 MINUTE TIMER AND BRAKE ON 110V INCLUDES READER AND EXTRA GASKET
CMH30-05	COVER FOR CMH30 MICROHEMATOCRIT ROTOR
CMH30-04	ROTOR WITH GASKET FOR MICROHEMATOCRIT CMH30





C881

## PowerSpin™ Centrifuge, BX

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 = 11,000 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 – 11,000 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.

### Specifications:

- Variable speed up to 11,000 RPM
- 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

C881	BX, 8 Place Fixed Angle Metal Rotor Centrifuge
C881E	BX, 8 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, 8 Place Tube rotor & 24 Place Microhematocrit
C884E	BX, 8 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, 8 Place Tube rotor & 24 Place Microcentrifuge
C887E	BX, 8 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
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

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	N/A	N/A
Urine Speed	2000   411	N/A	2300   485
Urine Time	5 minutes	N/A	5 minutes
Blood Speed	5000   2570	11,000   16,250	11,000   15,495
Blood Time	4 minutes	5 minutes	5 minutes

RPM = Revolutions Per Minute

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



8-position blood/urine tube rotor  
(accepts maximum 12 mL urine tubes)



24-position rotor for microhematocrit capillary tubes. Hematocrit reader built into the case



24-position rotor for 0.5 to 3 ml microtubes



C883



## UNICO® PowerSpin™ PX Centrifuge

The C826 PowerSpin™ PX Centrifuge is a versatile and high-performance solution for mobile and field applications. Designed for 12V DC operation, it includes a vehicle power adapter (car adapter) for convenient use in remote locations, on-site testing, or mobile laboratories. This centrifuge offers variable speed control, allowing you to adjust the speed according to your specific sample processing needs. It features a 6-place rotor, accommodating up to six tubes for efficient sample separation. The dual lid lock ensures enhanced safety by securely locking the lid in place during operation, while the built-in leveling system provides stability even on uneven surfaces, ensuring consistent performance.



C828

### Features:

- Six or eight place rotor designed for use with standard 2-15 ml tubes
- Will spin 2 ml and or 4-7.5 ml tubes with adapters
- Will handle up to three 15 ml tubes ( six place rotor)
- Can be powered by 12 Volt DC Car lighter, or optional 12V AC/DC Power Adapter available separately (pn#C826-12).
- Fixed speed at 3,700 ± 250 RPM with input range 10-13A , 12VDC
- Dependable mechanical 30-minute timer with bell signal at end of run
- Fish-Eye Level built into the lid to make sure the unit is level before operation
- Safety switch in lid shuts off motor when lid is raised. Latch release located on the right front side of unit

Item No.	Description
C826	C826 PX 12V CENTRIFUGE WITH 6 PLACE ROTOR, DUAL LID LOCK AND LEVEL. VEHICLE POWER ADAPTER CABLE INCLUDED.
C828	C828 PX 12V CENTRIFUGE WITH 8 PLACE ROTOR, DUAL LID LOCK AND LEVEL. VEHICLE POWER ADAPTER CABLE INCLUDED.

## PX Accessories

Enhance the versatility of your PX Centrifuge with our range of accessories. Choose from standard tube shields for various tube sizes, an AC power adapter for convenient in-lab use, or select either an 8-place or 6-place rotor to match your specific application needs. Enhance your centrifuge's capabilities with UNICO's selection of adapters. Choose from options like the C800-04, which accommodates pediatric tubes (38-45mm), and the C800-03, designed for 25mm short tubes, ensuring compatibility with a variety of sample sizes.

Item No.	Description
C800-01	8 place rotor for PowerSpin PX
C826-12	AC power adapter unit with UL power cord for C826 Series 12V centrifuge (Input 90-240V, output 12VDC).
C800-02	Regular standard tube shield for 10ml -15ml tube, pack of 2



8 place rotor for PowerSpin PX



AC power adapter unit with UL power cord for C826 Series



Regular standard tube shield for 10ml -15ml tube, pack of 2



C828H

## UNICO® Horizontal Centrifuge

The DX Centrifuge is an advanced, high-performance laboratory instrument engineered for precise sample separation with maximum reliability. Whether you're conducting research, preparing clinical samples, or working with cell cultures, this centrifuge offers a broad range of capabilities to meet your needs. With a powerful brushless DC motor and a maximum speed of 4000rpm, the DX Centrifuge ensures fast, reproducible results across a wide array of laboratory applications.



### Specifications:

- Max. Rotation Speed: 4000rpm (500-4000rpm adjustable, 100rpm steps)
- Max. Relative Centrifugal Acceleration: 2508xg (100xg steps)
- Capacity: 15ml x 6 tubes
- Timing: 1 minute to 99 minutes, with continuous operation (Hold mode)
- Noise Level: ≤62dB(A) for quiet operation
- Drive Motor: Brushless DC motor for reliable, maintenance-free performance
- Safety Features: Includes door lock, overspeed protection, and status diagnosis system
- Power Supply: 100V-240V, 50Hz/60Hz
- Protection Class: Class I for safe operation
- EMC Compliance: Radiated interference and immunity certified to EN/IEC 61326-1 & FCC Class A

Item No.	Description
C8704	DX CENTRIFUGE WITH 4-PLACE SWING OUT ROTOR
C8706	DX CENTRIFUGE WITH 6 PLACE HORIZONTAL ROTOR
C8724	DX, 24 PLACE FIXED ROTOR CENTRIFUGE, 500 - 4000 RPM

### DX Rotors

The PowerSpin DX PRO offers three versatile rotor options to suit various laboratory needs. The 4-place rotor accommodates 50ml tubes for larger sample volumes, while the 6-place horizontal rotor is ideal for handling 2-15ml tubes with gentle, low-speed separations. For high-throughput applications, the 24-place fixed-angle rotor processes up to 24 tubes of 2-15ml capacity, enabling rapid, high-speed separations.

### DX Adapters

The DX PRO Centrifuge offers optional adapters for specialized sample types. The Microhematocrit adapter (set of 2) is designed for use with capillary tubes. The Short tube adapter (set of 2) is compatible with 3-5ml blood tubes (75mm in length), and the Pediatric or microtube adapter (pack of 2) accommodates 38-45mm length tubes, ideal for small-volume samples. These adapters provide additional flexibility, allowing the centrifuge to handle a wider variety of tubes and sample types.

Item No.	Description
C800-34	MICROHEMATOCRIT ADAPTER. SET OF 2.
C800-06	SHORT TUBE ADAPTER FOR 3-5ML (75MM) BLOOD TUBES. SET OF 2.
C800-04	MICROTUBE (38-45MM TUBE LENGTH), SET OF 2.



Shipping Length: 19 Shipping Height: 15 Shipping Width: 18 Item Weight: 36 lb



4 Place Horizontal for 50ml tubes



6 Place Horizontal for 2 to 15ml tubes



24 Place Fixed Angle for 2 to 15ml tubes



Microtube (38-45mm tube length)



Microhematocrit adapter. Set of 2.



Short tube adapter for 3-5ml (75mm) blood tubes.



## Common features:

The PowerSpin DX Series (C8704, C8706, C8724) features a large, spacious stainless steel-lined interior, fully digital push-button control, variable speed from 1000 to 3400 RPM, and zero RPM lid closing system. DXs are available in four main versions: horizontal spinning and fixed angle rotors. All DXs feature maintenance-free brushless motors and suction cup rubber feet.

- Variable speed: 1000-3400 RPM; 100 RPM increments
- Stainless steel protective lid and bowl liner
- Zero RPM lid latch control system (safety plus)
- Real-time digital display: RPM, RCF and run time countdown
- Remembers your last settings for easy repeat runs.

## C8706: Horizontal Spin, 6 Place

The six-place C8706 is a swing-bucket centrifuge for 2 to 15 mL or microhematocrit tubes with adapters. Horizontal spin provides flat gel separation and higher RCF. Tube holders are upright at rest, perfect for fecal protocols. Spin microhematocrit tubes with C800-34 adapters.

### Item No. Description

C8706	DX, 6 Place Horizontal Spin Centrifuge
C8706H	DX, 6 Place Horizontal Spin Centrifuge with Tube Holdster
C8706E	DX, 6 Place Horizontal Spin Centrifuge, 220V
C8706H-E	DX, 6 Place Horizontal Spin Centrifuge, 220V, with
C800-34	Holdster Adapters for four Microhematocrit tubes, Pk/2



Fully Compatible  
with VETSCAN  
IMAGYST™ System

## C8724: Fixed Angle, 24 Place

The POWERSPIN™ DX Centrifuge is a high-performance benchtop centrifuge designed to meet the needs of clinical, research, and laboratory environments. Featuring variable speed control ranging from 1,000 to 4,000 RPM, it allows for precise and adaptable centrifugation based on specific sample requirements.

This unit includes a fixed-angle rotor with a generous capacity, capable of holding either 24 x 10 mL tubes or 16 x 15 mL tubes, making it an excellent choice for high-volume applications. The digital timer can be set from 1 minute up to 99 minutes and 59 seconds, offering accurate and flexible run times for a wide range of protocols.

### Item No. Description

C8724	DX, 24 Place Variable Speed Centrifuge
C8724H	DX, 24 Place Variable Speed Centrifuge with Tube Holdster
C8724E	DX, 24 Place Variable Speed Centrifuge, 220V
C8724H-E	DX, 24 Place Variable Speed Centrifuge, 220V with Tube Holdster



# UNICO®

## Rock-IT™ Tube Rockers

Introducing the upgraded UNICO Rock-IT Tube Rockers—now with an innovative PAUSE button feature. This enhancement allows users to easily pause the rocking motion, making the addition or removal of tubes effortless and efficient. This thoughtful design not only streamlines your workflow but also extends the lifespan of the rocker motor by eliminating the need to manually hold the platform during tube handling.



UNICO Rock-IT tube rockers are designed for durability and near-silent operation, making them ideal for consistent daily use in any laboratory environment. With a gentle oscillating motion at 25 RPM, these mixers ensure complete and uniform mixing of samples while preserving the delicate integrity of blood cells. They are perfect for preparing hematological controls quickly, ensuring accurate and reliable results.

The Rock-IT Tube Rocker features a reversible, autoclavable non-slip pad that easily accommodates larger, more demanding tubes. Available in 10, 16 or 32 tube capacities (up to 120mm long), the Rock-IT offers flexible mixing options.



Additionally, the UNICO Rock-IT Tube Rocker comes with a one-year limited warranty, underscoring its quality and reliability. Optimize your lab operations and let the Rock-IT handle your mixing needs with precision and ease.

- Capacity of 8, 15 tubes, or 32 tubes, up to 120 mm long
- 25 rocking cycles per minute, for gentle mixing
- Non-slip, reversible and autoclave tube pad
- Compact size uses minimal bench top space
- One year limited warranty

Item No.	Description
L-TTR100	Rock-IT Jr. Tube Rocker, 10 Place
L-TTR100E	Rock-IT Jr., same as above, 220V
L-TTR200	Rock-IT Tube Rocker, 16 Place
L-TTR200E	Rock-IT, same as above, 220V
L-TTR400	Rock-IT Tube Rocker, 32 Place, the "32 Rocker"
L-TTR400E	Rock-IT, same as above, 220V
LTTR100-1	Replacement Tube Pad, 8 Place
LTTR200-1	Replacement Tube Pad, 15 Place



## Flexi-Phleb™ Phlebotomy Tray

The Flexi-Phleb Advanced Phlebotomy Tray is thoughtfully engineered to bring enhanced convenience, superior organization, and optimal efficiency to any clinical environment. Whether you're working in a busy hospital, an outpatient clinic, or conducting fieldwork, this tray supports a seamless workflow. Its generous carrying capacity ensures that all your essential phlebotomy supplies—from tubes and needles to swabs and gloves—are readily available when you need them most.

### Specifications:

- 1 Single-place TUBE-CUBE for alcohol dispenser (pictured, not included) or ice cup
- 1 Four-place TUBE-CUBE for 50ml conical tubes
- 2 Nine-place TUBE-CUBES for standard blood collection tubes
- 5 bin cups for small supplies
- 2 red squishable hearts for patient comfort



48710



48710

We offer several versions of the phlebotomy tray to meet a variety of clinical needs. This particular configuration includes our Advanced Phlebotomy Tray with Drawer, a 51-Place Stainless Steel Rack, and essential components: 1 piece each of items 54101, 54401, and 54901, a Squeegee Squeezer, 2 pieces of item 28080-1, and 2 Bin Cups (item 56001). Designed for efficiency and durability, this tray setup supports organized specimen collection and is ideal for use in hospitals, outpatient clinics, or mobile phlebotomy units. All components are crafted from high-quality materials for long-term performance, and we also offer customizable versions to match your specific workflow needs.

## Squeezies™



**Squeegee Squeezer (Single):**  
A compact, flexible tool designed for patient comfort and stress relief during blood draws. Soft, durable, and easy to sanitize, the Squeegee Squeezer adds a thoughtful touch to every phlebotomy experience.

Item No.	Description
48700	PHLEBOTOMY TRAY WITH DRAWER AND HANDLE , 1PC 54101, 1PC 54401, 2PCS 54901, SQUEEGIE SQUEEZER, 2PCS (28080-1)
48710	ADVANCED PHLEBOTOMY TRAY WITH DRAWER, 1PC 54101, 1PC 54401, 2PCS 54901, SQUEEGIE SQUEEZER, 2PCS (28080-1), BIN CUP 5 PCS (56001)
48750	ADVANCED PHLEBOTOMY TRAY WITH DRAWER, 51 PLACE STAINLESS RACK, 1PC 54101, 1PC 54401, 1PCS 54901, SQUEEGIE SQUEEZER, 2PCS (28080-1), BIN CUP 2 PCS (56001)

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



L-BC9D

## Digital Differential Counter

The L-BC9D digital differential counter provides advanced functionality, enabling accurate and efficient blood cell counting while minimizing errors associated with manual methods. Unlike traditional mechanical counters, the L-BC9D features a clear digital display and a precise electronic counting mechanism, significantly improving both accuracy and ease of use. This instrument includes eight individual keys, each dedicated to a specific cell type or maturation stage of white blood cells, facilitating the creation of detailed and comprehensive differential counts. Additional features include a total count display, reset and error correction functions, and a compact, durable design suitable for high-throughput lab environments. Ideal for hospitals, diagnostic labs, and educational settings, the L-BC9D combines precision with convenience to support consistent and reliable hematology workflows.

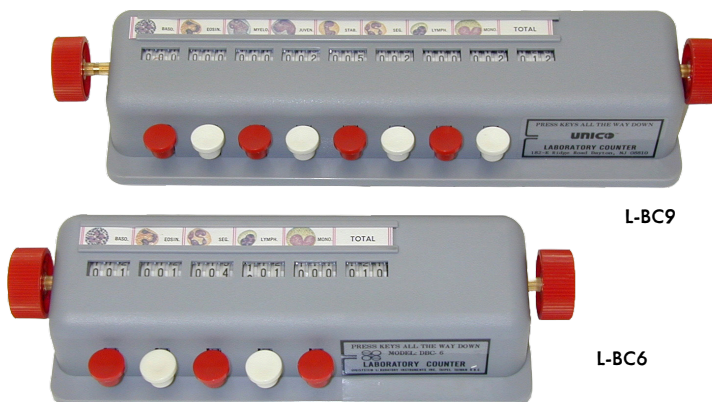


Item No.	Description
L-BC9D	8 Key Differential Counter, with Digital Total Window
L-BC9D-10	AC adapter for L-BC9D

Close-up image of a "C" cell type—one of the white blood cell maturation stages—highlighting cellular detail critical for accurate differential counts using the L-BC9D digital counter.

## Differential Counters

UNICO offers the three most popular manual blood cell counters: a 2-key model, a 5-key model with a total count window, and an 8-key model also featuring a total count window. The 5-key and 8-key versions include a convenient WBC maturation series pictorial strip positioned above the key windows for quick reference during differential counts. Each counter is housed in a durable, chemical-resistant metal casing that is easy to clean and disinfect. A signal bell sounds automatically when 100 cells have been counted, ensuring consistent tracking and workflow efficiency.



L-BC9

L-BC6

Item No.	Description
L-BC3	2 key differential counter
L-BC6	5 Key Differential Counter, with Total Window
L-BC9	8 Key Differential Counter, with Total Window



## Vortex Mixers

The LVM1000 (single tube) and LVM2000 (platform) vortex mixers are designed to mix samples in sample containers that are capped or hermetically sealed to prevent liquid leaks or spills. These variable speed Vortex mixers feature a 3-position switch that allows you to turn the instrument on/off, set it to shake when the head/pad is touched, or set it to continuous "ON" mode. With variable speeds ranging from 0 to 3000 RPM, you can mix samples slowly or vigorously as needed.

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



L-VM2000

## Platform Lab Rotator

UNICO Orbital Rotator is a compact, durable, variable speed digitally controlled orbital mixer and is designed for demanding laboratory work. Designed to accommodate a wide variety of printed or glass slides, culture plates, flasks and small test tube racks, as well as RPR and VDRL slides or 96-well microtiter (immunoassay) plates.

### Specifications:

- 10.5" x 10.5" mixing plate with removable rubber pad
- Variable speed 25~250rpm
- Digital speed display
- Orbital stroke is 20mm
- Digital timer for time setting up to 99 hours and 59 minutes
- Small flask securing spring included
- Molded heavy impact resistant plastic housing



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

## L-CU100 Laboratory Incubator

A compact incubator, perfect for limited workbench space. Capable of heating from ambient to 70°C (155°F) quickly and maintaining a constant temperature. With a single door with a window, so you can visually inspect your crops.

### Specifications:

- Chamber capacity: 10 liters (0.35 cubic feet)
- Chamber size: 284 mm wide x 200 mm deep x 220 mm high (11.2" x 7.8" x 8.6")
- Calibration: digital control and thermometer access port
- Temperature range: 70°C ambient (155°F ambient)
- Shelves: Two stainless steel shelves
- Temperature control: Digital control
- Display: Digital display
- Power/Consumption: 1.4 Amps / 150 Watts
- Heating: Convection
- Stability: It will maintain a constant temperature +/- 0.5° C
- External dimensions: 495 mm wide x 273 mm deep x 305 mm high (15.2" x 15.2" x 9")
- Weight: Bench weight – 11.5 kg.
- Weight: Shipping weight – 13 kg.

Item No.	Description
L-CU100	Laboratory incubator, 10 liters, 110 volts
L-CU100E	Laboratory incubator, 10 liters, 220 volts



L-CU100



L-CU200

## L-CU200 Laboratory Incubator

UNICO incubators are designed for plates, tubes (slants), urine and general microbiology applications. The spacious stainless steel-clad interiors can also be used as liquid heaters. These incubators feature a double door design, a solid outer door and a clear acrylic inner door.

### Specifications:

- Chamber capacity: 20 liters (0.7 cubic feet)
- Chamber size: 312 mm wide x 308 mm deep x 230 mm high (12.3" x 12.1" x 9")
- Calibration: digital control and thermometer access port
- Temperature range: 70°C ambient (155°F ambient)
- 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: It will maintain a constant temperature +/- 0.5° C
- External dimensions: 500 mm wide x 287 mm deep x 305 mm high (19.7" x 11.3" x 12")
- Weight: Bench weight – 14 kg.

Item	No. Description
L-CU200	Laboratory incubator, 20 liters, 110 volts
L-CU200E	Laboratory incubator, 20 liters, 220 volts



## L-CU60 Compact Incubator

This 6-liter digital laboratory incubator is designed for precise temperature control, essential for a variety of biological applications in hospitals and laboratories. Its simple keypad interface allows for easy temperature setting, while the clear LED digital display provides constant monitoring of the chamber temperature. For added safety, dual alarms (Alarm 1 and Alarm 2) are triggered if the chamber temperature deviates by more than 10°C from the set point, preventing sample damage. With a maximum temperature of 60°C and a chamber-mounted fan for consistent convection, this incubator is ideal for cell culture, microbiology, and other temperature-sensitive experiments.

### 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

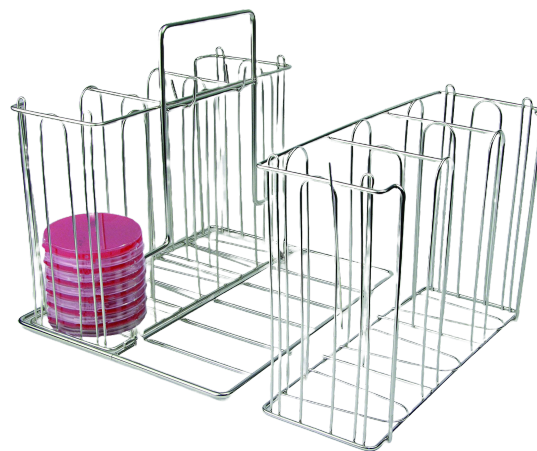
L-CU60	COMPACT INCUBATOR, 20 PLATES, 110 VOLT
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With its small footprint, the L-CU60 is perfect for laboratories where bench space is at a premium. Dual temperature rheostats allow very precise control over temperature settings and adjustment. The LED digital display allows users to monitor the temperature of the chamber.

Alarms (alarm 1 and alarm 2) alert users to abnormal conditions if the chamber temperature exceeds the set temperature by 10°C.

## Rack for Culture Plates



Streamline your workflow with a single solution for organizing, grouping, transporting, and incubating culture plates. Our stainless steel wire racks are stackable, autoclavable, and designed to hold up to 48 culture plates each. For added convenience, the stainless steel rack cart securely transports two plate racks side by side and is also stackable, maximizing incubator space and improving overall lab efficiency.

### Item No. Description

44510	Stainless steel petri dish rack, stackable 12.25"W X 4.5"D X 8.75"H
44525	Petri dish dual rack caddy 12.75"L X 9.5"W X 11.25"H (3116)

## Microscopes, Video Microscopes and Accessories

UNICO microscopes provide exceptional optical quality and robust construction without compromising affordability. Our wide selection offers various models and features, many of which are designed to accommodate camera integration through a trinocular port (third eye tube) or by utilizing an ocular tube.

The objectives are classified as shown below. As the degree of flat field increases, both the quality of the images and the increase in costs are proportional:

- **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 email us at: [Info@unicosci.com](mailto:Info@unicosci.com) and we will help you choose the right microscope for your applications.

### Wear your glasses!

With most UNICO microscopes, you can wear your glasses while looking through the microscope because we offer "high point eyepieces." If this is an important feature for you, be 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 halogen models, we are increasing the number of LED models. LEDs offer better energy efficiency and are more cost-effective, eliminating the need to use blue filters and buy replacement bulbs.

### 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.



Select from Good, Better or our Best objectives



Keep your glasses on while using our High Eyepoint eyepieces



Digital Video C-Mount Camera



HD Microscope HDMI Camera

Item No.	Description
B6-8185	1080P HD Microscope HDMI Camera. HDMI cord, Power Supply, 4GB MicroSD card and USB reader included
B6-8182	Digital Video C-Mount Camera, 14 MP, CMOS, with USB Cable & Win. XP / 7 Software
B6-1402	10x Eyepiece, High Eyepoint(24mm), Widefield for G300, G400, H600, IP700 and IV900

Item No.	Description
B6-2300	Set of Plan Objectives: 4x 10x 40x 100x
G380-2300	Set of Plan Achromatic Objectives: 4x 10x 40x 100x
G500-2100	Set of Achromatic Objectives for G500: 4x 10x 40x 100x Full
G500-2400	Phase Set for G500 Series including 10x 20x 40x 100x Plan Phase Objectives, 10x/40x and 20x/100x Phase Sliders and Centering Telescope



## DigiScout Tablet Camera

This Android-powered tablet camera is designed to seamlessly integrate with your microscope, providing high-definition imaging and powerful measurement capabilities. Equipped with a 1/2.5" sensor and 5 million effective pixels, it captures detailed images and videos with exceptional clarity. The 9.7" screen offers a large, vibrant display for easy viewing and analysis.

### Specifications:

- Sensor size 1/2.5"
- Effective pixel 5 million pixels
- Resolution 2048\*1536@15FPS
- Screen Resolution 2048\*1536
- Screen Size 9.7"
- Output USB2.0, HDMI, TF card, WIFI
- Pixel size 2.2\*2.2 $\mu$ m
- Power DC-12V/2A
- OS Android5.1 operation system
- Image capture Support 16 million static image capture
- Videorecord Supports 1080P video
- Measurement tool S-EYE Software installed
- Accessory DC-12V Power adapter

Item No.	Description
B6-8286	ANDROID TABLET CAMERA

## HDMI 1080P Digital Camera

This high-performance camera is specifically designed for optimal performance with UNICO microscopes. Capture breathtaking images and videos with Full HD 1920x1080 resolution at 30 frames per second. The 1/3" sensor size with 2.75 x 2.75  $\mu$ m pixel size ensures exceptional image clarity and sensitivity, capturing even the finest details of your microscopic specimens.

### Specifications:

- Sensor Size: 1/3"
- Effective Pixel: Full HD (1920x1080)
- Resolution: 1920x1080@30FPS
- Output: HDMI, USB, SD card
- Pixel Size: 2.75 x 2.75  $\mu$ m
- Power: DC-12V/1A

### Package Includes:

- Camera unit
- Mouse
- DC-12V Power adapter



Item No.	Description
B6-8187	1080P HD MICROSCOPE HDMI CAMERA. HDMI CORD, POWER SUPPLY AND 4GB MICROSD CARD INCLUDED WITH USB READER INCLUDED.



**B6-8286**

### DIGITAL EYEPIECE CAMERA

2.0 MP digital eyepiece camera with CMOS sensor for high-quality imaging. Includes USB cable and software for Windows XP/7, ideal for capturing and analyzing images directly from your microscope.



**B6-8182**



Compatible with all  
UNICO Microscopes

## M250 General Laboratory Microscopes

The M250 is a low-cost series that offers excellent value. At 80% the size of a large benchtop microscope, it is compact and packed with features. Available with monocular, binocular or dual viewing heads, we have an option to meet your needs. Previously portable, the new M250's lighting system has been redesigned with a high-intensity LED that works with a wall outlet. Models with halogen lighting are no longer available.

### Specifications:

- Illuminated LED
- All heads rotate 360°
- Paired 10X Wide Field Eyepieces
- Recessed mechanical plate 128x128mm 25
- Reverse position revolver
- iris diaphragm
- Achromatic or plan objectives
- Oil 4X, 10X, 40X and 100X
- Graduated coarse/fine focus
- Will accept B6-8182 eyepiece camera
- Includes dust cover, blue filter and manual.

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

**M250**

## M280 Microscopes

The M280 combines affordability with functionality. All the features of higher-priced models in a slimmer frame, all at a very affordable price. The LED-illuminated M280 is an excellent choice for routine endoscope work: wet mounts, urines, smears, and differential counts.

### Specifications:

- Binocular head, rotates 360°
- Paired 10X Wide Field Eyepieces
- Built-in 128x128 mm mechanical stage
- Reverse position revolver
- iris diaphragm
- LED illuminated, 3 watts
- Achromatic or plan objectives
- Oil 4X, 10X, 40X and 100X
- Graduated coarse/fine focus
- Will accept B6-8182 eyepiece camera
- 110V/220V wide range power supply
- Includes dust cover and manual.

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

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.



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

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
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
G380-8034	10x Semi-Plan Phase Objective & Slide-In Annulus
G380-8031	40x Semi-Plan Phase Objective & Slide-In Annulus

	G380-LED	G380SP-LED	G380PL-LED	G381-LED	G381SP-LED
<b>Head</b>	Binocular	Binocular	Binocular	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
<b>Objectives</b>	4,10,40,100X Achromat	4,10,40,100X Semi-Plan	4,10,40,100X Plan	4,10,40,100X Achromat	4,10,40,100X Semi-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

# Med/Vet Practice Microscopes



G382-LED with Dual Head



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



G381-LED with Monocular 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

Upgrade your microscope with UNICO objectives. We offer semi-flat, flat and infinite options, ensuring optimal image quality and compatibility. Explore our full range now at [www.unicosci.com](http://www.unicosci.com).

	<b>G382-LED</b>	<b>G382SP-LED</b>	<b>G382PL-LED</b>	<b>G383-LED</b>	<b>G383SP-LED</b>	<b>G383PL-LED</b>
<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 Achromat	4,10,40,100X Semi-Plan	4,10,40,100X Plan	4,10,40,100X Achromat	4,10,40,100X Semi-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>	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





# Phase Contrast Microscopes

The G380 with the G380-8034 10x SP phase kit



## G380 Phase Contrast Microscopes

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  
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.

Item No.	Description
G380PH-40	G380 binocular microscope with 4x and 10x brightfield objectives, 40x semi-flat phase contrast objective with 40x annular slider and 100x brightfield objective. Includes Koehler Field Iris and LED lighting.
G380-8021	0.65x C-Mount Camera Adapter for Camera-Ready Trinocular Heads
B6-8185	C-mount digital video camera 5.6 megapixel camera with image capture software for Windows XP/7 and USB cable (requires G380-8021 mentioned above)
G380-7001	Portable battery-operated LED light, uses 3 AA batteries (included)



The UNICO G380 series delivers exceptional optical performance and versatility, making it ideal for a wide range of laboratory applications. In addition to standard configurations, the G380 is also available in a trinocular model, offering compatibility with a variety of camera options for image capture and documentation.



## G386-Infinite LED

Infinity Optics takes the G380 series to the next level of microscopy. Designed to deliver superior images with 10X High Eye-Point eyepieces designed to reduce eye strain for glasses wearers and sharp Infinity objectives (Achromat or Plan). Each eyepiece tube has 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 instructing or conferencing with a colleague. You will increase your productivity and confidence in the results.

### Features:

- **HEADS:** Available with binocular or double binocular heads with 30° inclination and interpupillary distance adjustment from 52 to 75 mm. All rotate 360° and lock in place with a thumbscrew
- **EYEPIECES:** Standard with 10x "High-Eyepoint" extra-wide field eyepieces. Reticles and pointers available upon request.
- **OBJECTIVES:** With Infinity Optics, Achromatic or Plan, 4x, 10x, 40xR and 100xR objectives. The 40 and 100x objectives are "R" or retractable. 100x is an oil immersion objective
- **OBJECTIVE Numerical Aperture:** 4 = 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 and precise adjustments. Stage size: 142mm x 132mm. X-Y stage motion range: 55mm x 75mm. Spring Loaded Slide

Item No.	Description
G386-LED	Binocular infinite achromatic microscope
G386PL-LED	Infinite plane binocular microscope
G388-LED	Dual Binocular Infinite Achromatic Microscope
G388PL-LED	Back-to-Back Binocular Infinity Microscope
B6-8182	2.0 Megapixel Digital USB Eyepiece Camera with Image Capture Software and USB Cable



## G388-LED Dual Binocular Head Infinite Optics Microscope

- **CONDENSER:** It has a focusable Abbe NA 1.25 condenser. Focusable with rack and pinion movement
- **IRIS DIAPHRAGM:** Features an adjustable iris with a metal leaf overlay design. The optical design allows blue and other filters to be mounted on the illuminator housing.
- **FOCUSING:** Features smooth, extra-large graduated coaxial fine and coarse focus controls with tension adjustment to eliminate stage drift. Adjustable to your personal preferences
- **LIGHTING:** 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.

	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	4,10,40,100X	4,10,40,100X	4,10,40,100X
	Infinity Achromat	Infinity Plan	Infinity Achromat	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



## ZM190 Zoom Stereomicroscopes



ZM194T



ZM191T



ZM196T

The ZM190 Series Zoom Stereo microscopes 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.

### ZM190 Series Standard Features:

- Continuous Zoom 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

### ZM190 Series Options and Accessories:

- Extra-Widefield Eyepieces: 10x, 15x, 20x and 25x
- Auxiliary Objectives: 0.3x, 0.5x, 0.75x, 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

We have a Zoom Stereo for you! Available with a wide variety of 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:

Item No.	Description	Stand	Illumination
ZM191T	Trinocular Zoom Stereo	Pillar/Post	LED
ZM194T	Trinocular Zoom Stereo	Pillar/Post	LED
ZM196T	Trinocular Zoom Stereo	Focusing Arm	Halogen (top) Fluorescent (bottom)

### Optical Accessories for the ZM Series

Item No.	Description
ZM190-1402	10x Widefield Eyepiece, each
ZM190-2001	2x Auxiliary Lens
ZM190-2002	1.5x Auxiliary Lens
ZM190-2003	0.75x Auxiliary Lens
ZM190-2004	0.5x Auxiliary Lens
ZM190	C-Mount Camera Adapter

## G500 Series Microscopes

The G500 Advanced Microscopes series are full-featured, versatile and scalable. Designed for users whose applications require them to deploy various microscopy techniques. An LED illuminated series with options ranging from Plan Brightfield, to Full Phase Contrast, to dedicated Polarizing models.

- **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



G500's feature a unique combination system of Graduated Iris Diaphragm mounted in the Condenser, paired with a Graduated Kohler 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.



G504 Objectives



G502T

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

Item No.	Description
G502	Binocular Microscope with Achromat Objectives
G502T	Trinocular Microscope with Achromat 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	G504	G504T
<b>Head</b>	Binocular	Trinocular	Binocular	Trinocular
<b>Eyepiece</b>	10X WF(2)Hi-EP	10X WF(2)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 Plan	4,10,40,100X 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

## 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



G505T

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

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 Slider



G500-8031

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.



G500-8032



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>Eyeiece</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>Diaphgram</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

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 center able 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 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.

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>Eyeiece</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



G508 Plan Objectives



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

G508





Oversized stage,  
180 mm x 150 mm

IP730

## IP730/IP750 Series Microscopes

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



IP733: Advanced Trinocular Microscope



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



IP750 Plan Phase Contrast Set

## 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

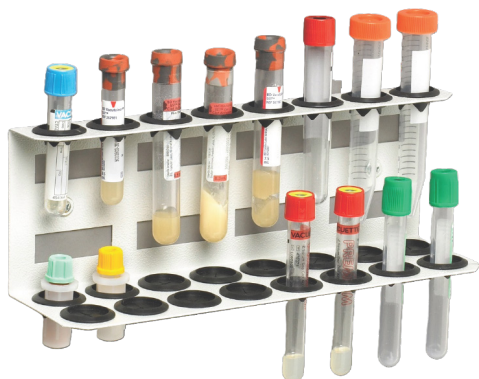
This kit is designed to protect and maintain one of the most valued assets in your laboratory. It has everything you need to take care of your microscope optics.

#### Includes:

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



Item No.	Description
B6-8910	Optical Cleaning Kit



C8600-18



Eyepieces

Objectives

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 Achr. 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

### Tube Holdsters™

Maximize efficiency and streamline your laboratory workflow with the Optional Tube Holdster™ designed for PowerSpin centrifuges. This versatile accessory allows you to keep up to 18 tubes or adapters conveniently at your side, securely mounted on the centrifuge.

- 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



# Glove / Towel Dispensers

## Glove Box Dispensers



22150 Glove Box Dispenser, 1 Horizontal / 1 Vertical



22250 Glove Box Dispenser, 2 Horizontal



22350 Glove Box Dispenser, 3 Horizontal

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

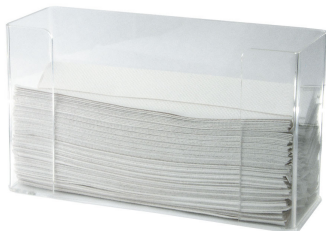


Our vertical dispensers can also be mounted horizontally, as shown



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

## Towel Dispensers



20500 Small Towel Dispenser



20600 Large Towel Dispenser



22272 Glove Box Dispenser, 2 Vertical

22373 Glove Box Dispenser, 3 Vertical

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.

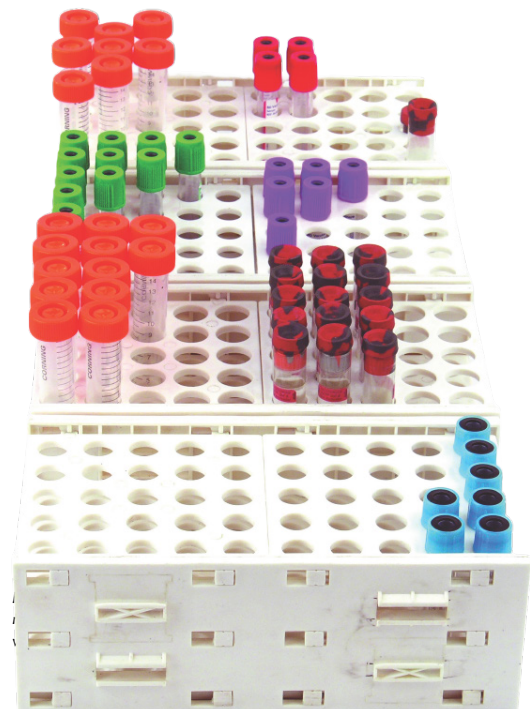
Item No.	Description	UOM	Size
20500	Towel Dispenser, Small	EA	10.5"W X 3.75"D X 6"H
20600	Towel Dispenser, Large	EA	10.5"W X 4"D X 15"H

**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.**

# Tube Racks / Management

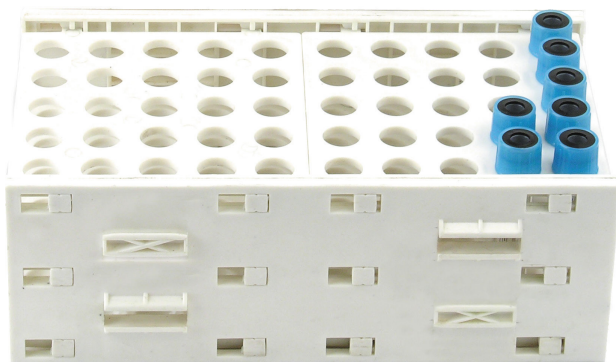


The top shelf of each T-Rack has cross-referencing Alpha – Numeric designations so you can track the exact location of specific tubes in the rack.



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!



## T-Racks™ Tube Racks

Organize and securely hold your laboratory tubes with this durable 50-place tube rack. Designed to accommodate tubes ranging from 13 mm to 16 mm in diameter, this rack is ideal for a wide range of lab applications.

### 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

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

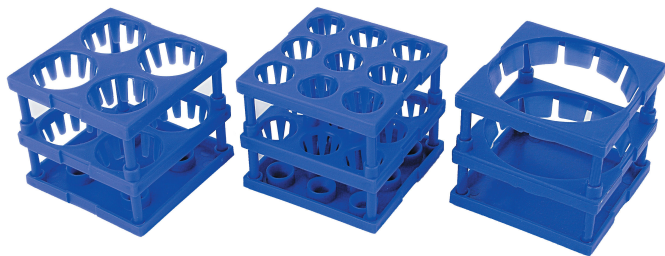
It's so easy, even a hospital administrator can do it! T-Rack's T-Connectors have a positive "click-stop", which locks the racks together, so they will not slide apart while being handled, or moved around the bench top, or refrigerator, etc. This click-stop holds them tightly together, yet is very easy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



## Tube-CUBES™



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.

*Holds tubes securely, even when turned upside down!*

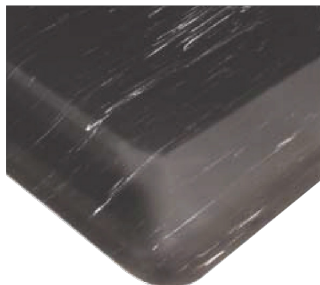


## Biohazard Shield

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

## 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

## 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



## 1100 Series Spectrophotometer

The UNICO S1100 Series

Spectrophotometers are simple, reliable and economical. Great for use in many types of laboratories, including educational, clinical, industrial and environmental labs. The S-1100RS is designed to work with the round tubes or square cuvettes. It operates across a wavelength range of 325 to 1000 nm, providing measurements within the visible and near-UV spectrum. The instrument is equipped with a 5 nm spectral bandpass, ensuring adequate resolution for various applications. It maintains a wavelength accuracy of  $\pm 2$  nm and repeatability of  $\pm 1$  nm, contributing to reliable measurements.



S-1100RS

### Specifications:

- **Wavelength Range:** 325 - 1000 nm
- **Spectral Bandpass:** 5 nm
- **Wavelength Accuracy:**  $\pm 2$  nm
- **Wavelength Repeatability:**  $\pm 1$  nm
- **Stray Radiant Energy:**  $< 0.5\%T$  at 340 and 400 nm
- **Photometric Range:** 0 - 200%T 0 - 2.0 Abs
- **Photometric Accuracy:**  $\pm 1.0\%T$
- **Power Requirements:** 115/230 V  $\pm 10\%$ , 60/50 Hz switchable
- **Sample Holder:** Single round Tube/10x10 Cuvette with adapter
- **Dimensions:** 415W x 320D x 175H (mm)
- **Net Weight:** 15 LBS.



### Instrument Panel and Operational Controls

- **MODE:** Black dot on the display indicates selected mode.
- **T** mode is transmittance mode.
- **A** mode is absorbance mode.
- **0A/100%T:** Blank to 100%T or 0.000A using reference solution.
- **0%T:** In T mode and with 0%T block in the cell holder, press 0%T button to set 00.0%T.
- **WAVELENGTH Knob:** Turn the knob to adjust the wavelength value on display.
- **ENTER:** Press ENTER to save the selected wavelength.



Item No.	Description
S-1100RS	SPECTROPHOTOMETER COMPLETE WITH 10MM TEST TUBE (BOX OF 12), 10MM SQUARE CUVETTE ADAPTER, INSTRUMENT COVER AND USER MANUAL, PRESET AT 110V

Enhance your spectrophotometer's performance with our extensive range of cuvettes and filters, available now on the UNICO website, [www.unicosci.com](http://www.unicosci.com). Explore our collection today and ensure accurate and reliable results with your UNICO spectrophotometer.

# Spectrophotometers



**S1250 Visible  
Spectrophotometers**



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Flexi-Phleb™	The Backpack™
PortaSpin™	The 30 Rocker™
PowerSpin™	Tube-CUBE™
Rock-IT™	Tube Holdster™

## 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.

Download a PDF of our spectrophotometer catalog at [www.unicosci.com](http://www.unicosci.com), or call or email with an questions you may have: 800-588-9776, international 732-274-1155, or email at [info@unicosci.com](mailto:info@unicosci.com).



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



**S1205 Series  
Visible Spectrophotometers**

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