

# Drucker Diagnostics Product Catalog

# Innovative Solutions *for a healthier world*



Since 1932, Drucker Diagnostics has led the way in quality, innovation, and reliability.

Whether it's the first horizontal rotor or the world's only dry hematology system, Drucker looks beyond the current standard and toward the ideal best practice. From our headquarters in Pennsylvania, we design, build, and support our product lines.

You'll find Drucker around the globe. Our centrifuges are trusted by reference laboratories, hospitals, point of care facilities, and more. Our dry hematology products can be found on cruise ships, in local clinics, on military bases, and wherever else remote care is required. Our sample protection lockboxes and fluorescence microscopy tools offer specimen protection and powerful diagnosis tools where they are needed most.

Centrifuge Reference Guide

Benchtop STAT Horizontal Centrifuges

Benchtop Horizontal Centrifuges

Tabletop Horizontal Centrifuges

Tabletop Fixed-Angle Centrifuges

Dry Hematology

SampleSafe Lockboxes

Fluorescence Microscopy

# Centrifuge Reference Guide

## Centrifuges with Horizontal Rotors

RCF varies with tube holder size and is given for 75 and 100 mm tubes

Model	Urine	Sodium Citrate (Coag) PPP	Plasma Serum (Chemistry)	Barricor™	PRP PRF	STAT	Mobile Care	Max RPM	Max G-Force RCF	Settings	Control	Up to 17 x 75 or 100 mm or 10 mL	Up to 17 x 125 mm or 15 mL	50 mL	Voltage
<b>Cycle Time (Minutes)</b>															
642B*		15	10					3380	1600	One	Knob	6			115 VAC
642E		15	10					3380	1600	One	Button	6			115 VAC
642M		15	10				✓	3400	1600	One	Button	6			12 VDC
642VES	5	12	7	10	✓			3800	2000	Multiple	Button	6			115-230 VAC
642VFD	5	12	7	10	✓			3800	2000	One	Button	6			115-230 VAC
642VFD Plus	5	12	7	10	✓			3800	2000	Two	Button	6			115-230 VAC
653V	5		10		✓			3200	1600	Multiple	Knob	12			115-230 VAC
755	5	15	10					3000	1600	One	Button	24	12	6	115-230 VAC
755V	5	15	10		✓			3150	1700	Multiple	Knob	24	12	6	115-230 VAC
755VES	5	7	7		✓			4300	3150	Multiple	Button	24	12	6	115-230 VAC
853VES PP		5	7		✓			5000	3750	Multiple	Button	12			115-230 VAC
DASH Apex 6		5	7	3		✓		5500	4000	Three	Button	6			100-240 VAC
DASH Apex 12		5	7	3		✓		5200	4000	Three	Button	12			100-240 VAC
DASH Apex 24		6	7	5		✓		4300	3000	Three	Button	24			100-240 VAC

**Gel tubes that are being transported should be centrifuged in a horizontal centrifuge, as recommended by tube manufacturers and the CLSI**

## Centrifuges with Fixed-Angle Rotors

Model	Urine	Sodium Citrate (Coag) PPP	Plasma Serum (Chemistry)	Barricor™	PRP PRF	STAT	Mobile Care	Max RPM	Max G-Force RCF	Settings	Control	Up to 17 x 75 or 100 mm or 10 mL	Up to 17 x 125 mm or 15 mL	50 mL	Voltage
<b>Cycle Time (Minutes)</b>															
614B*			15					3250	1100	One	Knob	6	6		115 VAC
614M*			15				✓	3850	1600	One	Knob	6	6		12 VDC
642VES	5	15	15		✓			3900	1600	Multiple	Button	6	6		115-230 VAC
642VFD	5	15	15		✓			3900	1600	One	Button	6	6		115-230 VAC
642VFD Plus	5	15	15		✓			3900	1600	Two	Button	6	6		115-230 VAC
653V	5	15	10		✓			3200	1250	Multiple	Knob	20	20	6**	115-230 VAC
853VES		15	10		✓			4000	1850	Multiple	Button	20	20	6**	115-230 VAC

\*not tested to CE standards

\*\*Requires a non-standard rotor

# DASH

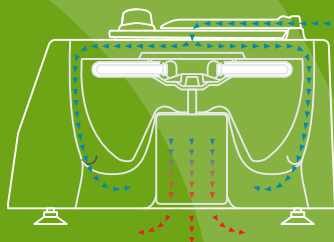
## STAT Centrifuges

When every minute counts, Drucker DASH Apex STAT centrifuges deliver.

DASH centrifuges offer higher G-force for faster spin times and better sample separation - a powerful combination for high-performance environments.

### Cool Operations

Unique design of the motor housing and rotation chamber allows for cool operation even under the heaviest workloads



### 2-Stage Horizontal Rotor

Our patented swing-out horizontal rotor design incorporates a unique test tube holder that produces the ideal horizontally separated samples

Loading Angle



Rotation Angle



### FEATURES

**Two Year Warranty:** Every Drucker centrifuge is protected by a comprehensive two year warranty.

**Quiet Operation with Low Vibration:** Double-encased motor assures quiet performance and low out-of-balance vibration

**Cool Operation:** Unique air-flow design cools the rotor chamber and motor with ambient air; protecting your samples and maximizing sample integrity

**Ultra High-G:** Powerful motor provides faster centrifugation and improved sample separation

**Horizontal Centrifugation:** Horizontal rotors provide better sample separation and a more secure gel barrier for improved performance under transport

### SAFETY

**Regulatory Approvals:** Certified to United States and Canadian safety standards

**Reinforced Side Walls:** Glass fiber reinforced nylon & high-impact polycarbonate provide dual layers of protection



Built for BD Barricor™

# DASH

## APEX 6, 12, & 24 *STAT CENTRIFUGES*



**Lid Lighting Indicates Status**  
*Patent Pending*

**Rugged Carbon Fiber Reinforced Components**

**Simple 2-Button Interface**

**No Routine Maintenance**

- DASH Apex is the only line of centrifuges engineered in close partnership with BD specifically for the 3-minute BD Vacutainer® Barricor™ cycle.
- 3 easily selectable pre-set cycles (default or custom) conveniently labeled for your lab's most common tubes. An LED light indicates the current setting. Can be restricted to a single setting for error-free reproducibility.
- When used with the Drucker DASH Approach to centrifugation, the DASH Apex cuts your turnaround time (TAT) by up to 20 minutes.
- Lid lighting indicates the centrifuge's status (ready, running, done), keeping your efficiency up and your TAT down (patent pending). Additionally, a traditional audible alert can be active or turned off.
- Uses carbon fiber reinforced composite materials for high strength and durability.
- The included rotor and tube holders combine with a 2-year warranty to make the DASH Apex a great value at a reasonable price.



**APEX 6**



**APEX 12**



**APEX 24**



Catalog Number	Apex 6	Apex 12	Apex 24
For PST/SST	00-076-009-001	00-083-009-000	00-084-009-000
For PST II/SST II	00-076-009-002	00-083-009-001	00-084-009-003

PST/SST Factory Settings	Apex 6			Apex 12			Apex 24		
Tube Type	RPM	Time	G-Force	RPM	Time	G-Force	RPM	Time	G-Force
BD Vacutainer® Barricor™	5,500	3	4,000	5,200	3	4,000	4,300	5	3,000
Coag (PPP)	5,500	5	4,000	5,200	5	4,000	4,300	6	3,000
Gel (PST/SST™)	3,800	7	2,000	3,600	7	2,000	3,500	7	2,000

PST II/SST II Factory Settings	Apex 6			Apex 12			Apex 24		
Tube Type	RPM	Time	G-Force	RPM	Time	G-Force	RPM	Time	G-Force
BD Vacutainer® Barricor™	5,500	3	4,000	5,200	3	4,000	4,300	5	3,000
Coag (PPP)	5,500	5	4,000	5,200	5	4,000	4,300	6	3,000
Chemistry (PST II/SST II)	4,600	5	3,000	4,400	5	3,000	4,300	5	3,000

Specs	Apex 6	Apex 12	Apex 24
Capacity	6 tubes - 3 to 10 mL	12 tubes - 3 to 10 mL	24 tubes - 3 to 10 mL
Height	8 in. (20 cm)	9 in. (23 cm)	9 in. (23 cm)
Width	11 in. (28 cm)	12.5 in. (32 cm)	14.5 in. (37 cm)
Depth	13.5 in. (34 cm)	14.75 in. (37 cm)	17 in. (43 cm)
Weight	12 lbs. (5.4 kg)	34 lbs. (15 kg)	39 lbs. (17 kg)
Max. Acceleration Time	20 seconds	35 seconds	45 seconds
Max. Deceleration Time	20 seconds	40 seconds	40 seconds
Factory Setting Range	1 to 30 minutes, (± 1%)	1 to 30 minutes, (± 1%)	1 to 30 minutes, (± 1%)
Electrical Specs	Apex 6	Apex 12	Apex 24
Voltage	100-240 VAC (± 10%)	100-240 VAC (± 10%)	100-240 VAC (± 10%)
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Power Requirements	220 Watts	230 Watts	280 Watts
Centrifuge Motor	1/2 H.P. Brushless DC	1/2 H.P. Brushless DC	1/2 H.P. Brushless DC

Included Accessories	Apex 6	Apex 12	Apex 24
Rotor	6-Tube Horizontal	12-Tube Horizontal	24-Tube Horizontal
Tube Holders	75-100 mm x 6	75-100 mm x 12	4-Tube carrier x 6

# HORIZON

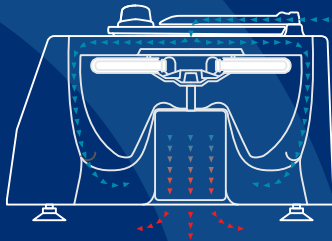
Benchtop Horizontal Centrifuges

## Capacity, power, and performance in a small benchtop footprint.

Horizon's benchtop horizontal centrifuges provide high-throughput centrifugation in minimum space. Available with a range of settings, including fully programmable.

### Cool Operations

Unique design of the motor housing and rotation chamber allows for cool operation even under the heaviest workloads



### FEATURES

**Tube Sizes:** 0.5 mL to 15 mL; up to 17 mm x 125 mm

**Quiet Operation with Low Vibration:** Double-encased motor assures quiet performance and low out-of-balance vibration

**Cool Operation:** Unique air-flow design cools the rotor chamber and motor with ambient air; protecting your samples and maximizing sample integrity

**Horizontal Centrifugation:** Horizontal rotors provide better sample separation and more secure gel barrier for improved performance under transport.

**Two Year Warranty:** Every Drucker centrifuge is protected by a comprehensive two year warranty.

### 2-Stage Horizontal Rotor

Our patented swing-out horizontal rotor design incorporates a unique test tube holder that produces the ideal horizontally separated samples

Loading Angle



Rotation Angle



### SAFETY

**Regulatory Approvals:** Certified to United States and Canadian Safety standards

**Reinforced Side Walls:** Glass fiber reinforced nylon & high-impact polycarbonate provide dual layers of protection



# 653V



## ADJUSTABLE TIME AND SPEED FOR ANALYTICAL FLEXIBILITY

- HORIZONTAL CENTRIFUGATION
- 12 TUBE CAPACITY
- ADJUSTABLE TIMER
- SPEED CONTROL
- 3,200 MAX RPM
- 1,600 XG MAX RCF
- CE MARK, UL LISTED

### 653V CENTRIFUGE SPECIFICATIONS CATALOG NUMBER: 00-032-009-000

#### Electrical

Voltage..... 115/230 Volts (± 10)  
 Frequency..... 50/60 Hz  
 Max. Power Requirements ..... 230 Watts  
 Centrifuge Motor ..... 1/2 H.P. Brushless DC

#### Maximum Speed




12-Tube Horizontal Rotor ..... 3,200 RPM

#### General

Overall Dimensions ..... Height ..... 9.3 in. (23.6 cm)  
 Width ..... 12.9 in. (32.8 cm)  
 Depth..... 15.8 in. (40.1 cm)  
 Weight ..... 33.7 lbs. (15.3 kg)  
 Timer ..... Electronic, 1 to 30 minutes  
 Max. Acceleration Time ..... 35 seconds  
 Max. Deceleration Time..... 35 seconds

#### Maximum Force

12-Tube Horizontal Rotor ..... 1,600 xg

Parts Included	QTY Included	Part Number	COMMENTS
 12 Tube Horizontal Rotor	1	7786019	For use with 7713030 2-tube buckets
 100 mm Carrier, 2-Place	6	7713030	Can accommodate up to two (2) 16 x 100 mm tubes
 1 Inch Cushion Spacer	12	1525	

# 853VES PP

## DIGITAL ADJUSTMENT CONTROL FOR PRECISION ACROSS PREPARATIONS



- HORIZONTAL CENTRIFUGATION
- 12 TUBE CAPACITY
- DIGITAL CONTROL
- FULLY ADJUSTABLE
- 5,000 MAX RPM
- 3,750 XG MAX RCF
- CE MARK, UL LISTED

### 853VES CENTRIFUGE SPECIFICATIONS

CATALOG NUMBER: 00-054-009-000

#### Electrical

Voltage..... 115/230 Volts (± 10)  
 Frequency..... 50/60 Hz  
 Max. Power Requirements ..... 230 Watts  
 Protection Breaker ..... 4 Amp. Re-settable  
 Centrifuge Motor ..... 1/2 H.P. Brushless DC

#### Maximum Speed





12-Tube Horizontal Rotor ..... 5,000 RPM

#### General

Overall Dimensions ..... Height ..... 9.3 in. (23.6 cm)  
 Width ..... 12.9 in. (32.8 cm)  
 Depth..... 15.8 in. (40.1 cm)  
 Weight ..... 33.7 lbs. (15.3 kg)  
 Timer ..... Electronic, 1 to 30 minutes  
 Max. Acceleration Time ..... 15 seconds  
 Max. Deceleration Time..... 22 seconds

#### Maximum Force

12-Tube Horizontal Rotor ..... 3,750 xg

Parts Included	QTY Included	Part Number	COMMENTS
 12 Tube Horizontal Rotor	1	7786010	High strength glass fiber
 0.5 to 1 mL Tube Adaptor	2	7713068	For use with vials up to 1 mL
 1.5 to 2 mL Tube Adaptor	2	7713100	For use with vials between 1.5 mL and 2 mL
 75 - 100 mm Tube Holder	12	7713079	For use with 75 - 100 mm tubes (3 mL - 10 mL)



# 755

## SINGLE SPEED FOR CONSISTENT PROCESSING NEEDS

- HORIZONTAL CENTRIFUGATION
- 24 TUBE CAPACITY
- ELECTRONIC TIMER
- SINGLE SPEED
- 3,000 MAX RPM
- 1,600 XG MAX RCF
- CE MARK, UL LISTED

### 755 CENTRIFUGE SPECIFICATIONS

12-TUBE CATALOG NUMBER: 00-039-009-000

24-TUBE CATALOG NUMBER: 00-040-009-000

#### Electrical

Voltage..... 115/230 Volts (± 10)  
 Frequency..... 50/60 Hz  
 Max. Power Requirements ..... 200 Watts  
 Protection Breaker ..... 4 Amp. Re-settable  
 Centrifuge Motor ..... 1/2 H.P. Brushless DC

#### Maximum Speed






12-Tube Horizontal Rotor ..... 3,000 RPM  
 24-Tube Horizontal Rotor ..... 3,000 RPM

#### General

Overall Dimensions ..... Height..... 9 in. (23 cm)  
 Width ..... 14.5 in. (37 cm)  
 Depth..... 17 in. (43 cm)  
 Weight ..... 39 lbs. (17.7 kg)  
 Timer ..... Electronic, w/hold or  
 1 to 99 minutes  
 Max. Acceleration Time ..... 15 seconds  
 Max. Deceleration Time..... 15 seconds

#### Maximum Force

12-Tube Horizontal Rotor ..... 1,600 xg  
 24-Tube Horizontal Rotor ..... 1,600 xg

Parts Included	QTY Included	Part Number	COMMENTS
 24 Tube Horizontal Rotor	1	7786022	For use with 1-10 mL tubes, 15 mL tubes, and 50 mL tubes (and carriers)
 4x 100 mm/ 2x 125 mm carrier	6	7713023	Can accommodate up to four (4) 100 mm tubes or two (2) 125 mm tubes
 0.5 to 1 mL Tube Adaptor	2	7713068	For use with tubes up to 1 mL
 1.5 - 2 mL Tube Adaptor	2	7713065	For use with tubes between 1.5 mL and 2 mL
 0.25" Cushion Spacer	24	9150	For use with glass vials or tubes



# 755V

## HIGH CAPACITY AND ADJUSTABLE FOR DIVERSE SAMPLE PROCESSING

- HORIZONTAL CENTRIFUGATION
- 24 TUBE CAPACITY
- ELECTRONIC TIMER
- ADJUSTABLE SPEED
- 3,150 MAX RPM
- 1,700 XG MAX RCF
- CE MARK, UL LISTED

### 755V CENTRIFUGE SPECIFICATIONS

12-TUBE CATALOG NUMBER: 00-041-009-000  
 24-TUBE CATALOG NUMBER: 00-043-009-000

#### Electrical

Voltage..... 115/230 Volts (± 10)  
 Frequency..... 50/60 Hz  
 Max. Power Requirements ..... 200 Watts  
 Protection Breaker ..... 4 Amp. Re-settable  
 Centrifuge Motor ..... 1/2 H.P. Brushless DC

#### Maximum Speed






12-Tube Horizontal Rotor ..... 3,000 RPM  
 24-Tube Horizontal Rotor ..... 3,150 RPM

#### General

Overall Dimensions ..... Height ..... 9 in. (23 cm)  
 Width ..... 14.5 in. (37 cm)  
 Depth..... 17 in. (43 cm)  
 Weight ..... 39 lbs. (17.7 kg)  
 Timer ..... Electronic, w/hold or  
 1 to 99 minutes  
 Max. Acceleration Time ..... 15 seconds  
 Max. Deceleration Time..... 15 seconds

#### Maximum Force

12-Tube Horizontal Rotor ..... 1,550 xg  
 24-Tube Horizontal Rotor ..... 1,700 xg

Parts Included	QTY Included	Part Number	COMMENTS
 24 Tube Horizontal Rotor	1	7786022	For use with 1-10 mL tubes, 15 mL tubes, and 50 mL tubes (and carriers)
 4x 100 mm/ 2x 125 mm carrier	6	7713023	Can accommodate up to four (4) 100 mm tubes or two (2) 125 mm tubes
 0.5 to 1 mL Tube Adaptor	2	7713068	For use with tubes up to 1 mL
 1.5 to 2 mL Tube Adaptor	2	7713065	For use with tubes between 1.5 mL and 2 mL
 0.25" Cushion Spacer	24	9150	For use with glass vials or tubes



# 755VES

## DIGITAL TIMER AND SPEED ADJUSTMENT FOR MAXIMUM PROCESSING PRECISION

- HORIZONTAL CENTRIFUGATION
- 24 TUBE CAPACITY
- DIGITAL TIMER
- DIGITAL SPEED CONTROL
- 4,300 MAX RPM
- 3,150 XG MAX RCF
- CE MARK, UL LISTED

### 755VES CENTRIFUGE SPECIFICATIONS 24-TUBE CATALOG NUMBER: 00-044-009-000

#### Electrical

Voltage..... 115/230 Volts (± 10)  
 Frequency ..... 50/60 Hz  
 Max. Power Requirements ..... 200 Watts  
 Protection Breaker ..... 4 Amp. Re-settable  
 Centrifuge Motor ..... 1/2 H.P. Brushless DC

#### Maximum Speed







24-Tube Horizontal Rotor ..... 4,300 RPM

#### General

Overall Dimensions ..... Height ..... 9 in. (23 cm)  
 Width ..... 14.5 in. (37 cm)  
 Depth..... 17 in. (43 cm)  
 Weight ..... 39 lbs. (17.7 kg)  
 Timer ..... Electronic, w/hold or  
 1 to 99 minutes  
 Max. Acceleration Time ..... 15 seconds  
 Max. Deceleration Time..... 15 seconds

#### Maximum Force

24-Tube Horizontal Rotor ..... 3,150 xg

Parts Included	QTY Included	Part Number	COMMENTS
 24 Tube Horizontal Rotor	1	7786015	For use with 1-10 mL tubes, 15 mL tubes, and 50 mL tubes (and carriers)
 4x 100 mm/ 2x 125 mm carrier	6	7713023	Can accommodate up to four (4) 100 mm tubes or two (2) 125 mm tubes
 0.5 to 1 mL Tube Adaptor	2	7713068	For use with vials up to 1 mL
 1.5 to 2 mL Tube Adaptor	2	7713065	For use with vials between 1.5 mL and 2 mL
 50 mL Conical Tube Insert	2	7787060	For use with conical vials or tubes
 Carrier Cap	6	7713035	For use with part numbers 7713023 and 7713037 (carriers)

# Horizon

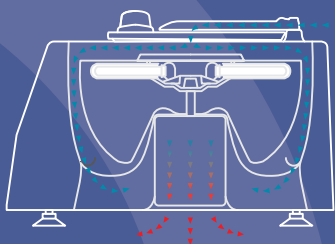
## Tabletop Horizontal Centrifuges

### Ultra-small footprint for point of care horizontal centrifugation.

The Horizon tabletop product line offers horizontal centrifugation for up to 6 tubes. With a range of power levels and cycle setting options, these units are powerful and versatile.

#### Cool Operations

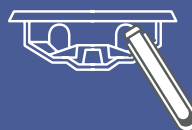
Unique design of the motor housing and rotation chamber allows for cool operation even under the heaviest workloads



#### 2-Stage Horizontal Rotor Included

Our patented swing-out horizontal rotor design incorporates a unique test tube holder that produces the ideal horizontally separated samples

Loading Angle



Rotation Angle



#### FEATURES

**Tube Sizes:** 0.5 mL to 15 mL; up to 17 mm x 125 mm

**Brushless Motor:** Smooth operation with no routine maintenance

**Quiet Operation with Low Vibration:** Double-encased motor assures quiet performance and low out-of-balance vibration

**Cool Operation:** Unique air-flow design cools the rotor chamber and motor with ambient air; protecting your samples and maximizing sample integrity

**Two Year Warranty:** Every Drucker centrifuge is protected by a comprehensive two year warranty.

#### SAFETY

**Regulatory Approvals:** Certified to United States and Canadian safety standards

**Reinforced Side Walls:** Glass fiber reinforced nylon & high-impact polycarbonate provide dual layers of protection

# 642B

## CLINICAL CENTRIFUGE FOR HIGH QUALITY ANALYTICAL RESULTS



- HORIZONTAL CENTRIFUGATION
- 6 TUBE CAPACITY
- MECHANICAL TIMER
- SINGLE SPEED
- 3,380 MAX RPM
- 1,600 XG MAX RCF
- UL LISTED

### 642B CENTRIFUGE SPECIFICATIONS

CATALOG NUMBER: 00-016-009-001

#### Electrical

Voltage..... 115 (± 10) Volts  
 Frequency..... 60 Hz  
 Max. Power Requirements ..... 165 Watts  
 Centrifuge Motor..... 1/30 H.P. Brushless AC

#### General






Overall Dimensions ..... Height..... 8.75 in. (22 cm)  
 Width ..... 11.75 in. (30 cm)  
 Depth..... 14 in. (35.5 cm)  
 Weight ..... 11 lbs. (5 kg)  
 Max. Acceleration Time ..... 10 seconds  
 Max. Deceleration Time..... 80 seconds  
 Timer ..... Mechanical, 1 to 30 minutes  
 Noise at 3 ft ..... 65 db


#### Maximum Speed

6-Tube Horizontal Rotor ..... 3,380 RPM

#### Maximum Force

6-Tube Horizontal Rotor ..... 1,600 xg

Parts Included	QTY Included	Part Number	COMMENTS
 6 Tube Horizontal Rotor	1	7786061	High strength glass fiber
 75 mm Tube Holder	6	7713033	For use with 75 mm tubes
 100 mm Tube Holder	6	7713031	For use with 100 mm tubes
 0.5 to 1 mL Tube Adaptor	2	7713068	For use with tubes up to 1 mL
 1.5 to 2 mL Tube Adaptor	2	7713065	For use with tubes between 1.5 mL and 2 mL

Optional Accessories	QTY Included	Part Number	COMMENTS
 SmartView™ Platform	Available as an accessory	00-079-009-001	Tilts the centrifuge forward for better view and easier reach inside without loss of g-force.

# 642E

## SINGLE BUTTON OPERATION FOR CONSISTENT SAMPLE PROCESSING



- HORIZONTAL CENTRIFUGATION
- 6 TUBE CAPACITY
- SINGLE BUTTON OPERATION
- PRESET SPEED AND RUNTIME
- 3,380 MAX RPM
- 1,600 XG MAX RCF
- CE MARK, UL LISTED

### 642E CENTRIFUGE SPECIFICATIONS

CATALOG NUMBER: 00-018-009-001

#### Electrical

Voltage..... 115 (± 10) Volts  
 Frequency..... 60 Hz  
 Max. Power Requirements ..... 165 Watts  
 Protection Breaker..... 4 Amp. Re-settable  
 Centrifuge Motor ..... 1/30 H.P. Brushless AC

#### General






Overall Dimensions..... Height..... 8.75 in. (22 cm)  
 Width ..... 11.75 in. (30 cm)  
 Depth ..... 14 in. (35.5 cm)  
 Weight..... 11 lbs. (5 kg)  
 Max. Acceleration Time..... 10 seconds  
 Max. Deceleration Time ..... 20 seconds  
 Timer ..... Electronic, 1 to 30 minutes,  
 preset to 10 minutes


#### Maximum Speed

6-Tube Horizontal Rotor ..... 3,380 RPM

#### Maximum Force

6-Tube Horizontal Rotor ..... 1,600 xg

Parts Included	QTY Included	Part Number	COMMENTS
 6 Tube Horizontal Rotor	1	7786061	High strength glass fiber
 75 mm Tube Holder	6	7713033	For use with 75 mm tubes
 100 mm Tube Holder	6	7713031	For use with 100 mm tubes
 0.5 to 1 mL Tube Adaptor	2	7713068	For use with tubes up to 1 mL
 1.5 to 2 mL Tube Adaptor	2	7713065	For use with tubes between 1.5 mL and 2 mL

Optional Accessories	QTY Included	Part Number	COMMENTS
 SmartView™ Platform	Available as an accessory	00-079-009-001	Tilts the centrifuge forward for better view and easier reach inside without loss of g-force.



# 642M

## 12VDC MOBILE CENTRIFUGE FOR MOBILE SAMPLE PROCESSING



- HORIZONTAL CENTRIFUGATION
- 6 TUBE CAPACITY
- ELECTRONIC TIMER
- SINGLE SPEED
- 3,400 MAX RPM
- 1,600 XG MAX RCF

### 642M CENTRIFUGE SPECIFICATIONS CATALOG NUMBER: 00-077-009-000

#### Electrical

Voltage ..... 13.8-24 Volts DC  
 Max. Power Requirements ..... 100 Watts  
 Over Current Protector ..... Fused - 15 Amps  
 Centrifuge Motor ..... 1/30 H.P. DC

#### Maximum Speed




6-Tube Horizontal Rotor ..... 3,400 RPM


#### General

Overall Dimensions ..... Height ..... 8.75 in. (22 cm)  
 Width ..... 11.75 in. (30 cm)  
 Depth ..... 14 in. (35.5 cm)  
 Weight ..... 12 lbs. (5.4 kg)  
 Max. Acceleration Time ..... 10 seconds  
 Max. Deceleration Time ..... 20 seconds  
 Timer ..... Electronic

#### Maximum Force

6-Tube Horizontal Rotor ..... 1,600 xg

Parts Included	QTY Included	Part Number	COMMENTS
 6 Tube Horizontal Rotor	1	7786061	High strength glass fiber
 75 mm Tube Holder	6	7713033	For use with 75 mm tubes
 100 mm Tube Holder	6	7713031	For use with 100 mm tubes

Optional Accessories	QTY Included	Part Number	COMMENTS
 SmartView™ Platform	Available as an accessory	00-079-009-001	Tilts the centrifuge forward for better view and easier reach inside without loss of g-force.

# 642VES

## DIGITAL SPEED AND TIME CONTROL FOR VARIABLE PROCESSING NEEDS



- HORIZONTAL CENTRIFUGATION
- 6 TUBE CAPACITY
- DIGITAL TIMER
- DIGITAL SPEED CONTROL
- 3,800 MAX RPM
- 2,000 XG MAX RCF
- CE MARK, UL LISTED

### 642VES CENTRIFUGE SPECIFICATIONS CATALOG NUMBER: 00-024-009-002

#### Electrical

Voltage ..... 120/220 Volts ( $\pm$  10/25 Volts)  
 Frequency ..... 50/60 Hz  
 Max. Power Requirements ..... 165 Watts  
 Protection Breaker ..... 4 Amp. Re-settable  
 Centrifuge Motor ..... 1/30 H.P. Brushless AC

#### Maximum Speed



6-Tube Horizontal Rotor ..... 3,800 RPM


#### General

Overall Dimensions ..... Height ..... 8.75 in. (22 cm)  
 Width ..... 11.75 in. (30 cm)  
 Depth ..... 14 in. (35.5 cm)  
 Weight ..... 12 lbs. (5.4 kg)  
 Max. Acceleration Time ..... 18 seconds  
 Max. Deceleration Time ..... 20 seconds  
 Timer ..... Electronic, 1 to 30 minutes, preset to 10 minutes

#### Maximum Force

6-Tube Horizontal Rotor ..... 2,000 xg

Parts Included	QTY Included	Part Number	COMMENTS
 6 Tube Horizontal Rotor	1	7786067	High Strength Glass Fiber
 75 - 100 mm Tube Holder	6	7713079	For use with 75 - 100 mm tubes (3 mL - 10 mL)

Optional Accessories	QTY Included	Part Number	COMMENTS
 SmartView™ Platform	Available as an accessory	00-079-009-001	Tilts the centrifuge forward for better view and easier reach inside without loss of g-force.

# 642VFD



## HIGHER G-FORCE AND SPEED FOR ALL SPECIMEN PROCESSING

- HORIZONTAL CENTRIFUGATION
- 6 TUBE CAPACITY
- SINGLE BUTTON OPERATION
- PRESET SPEED AND RUNTIME
- 3,800 MAX RPM
- 2,000 XG MAX RCF
- CE MARK, UL LISTED

### 642VFD CENTRIFUGE SPECIFICATIONS CATALOG NUMBER: 00-025-009-001

#### Electrical

Voltage ..... 120/220 Volts ( $\pm$  10/25 Volts)  
 Frequency ..... 50/60 Hz  
 Max. Power Requirements ..... 165 Watts  
 Protection Breaker ..... 4 Amp. Re-settable  
 Centrifuge Motor ..... 1/30 H.P. Brushless AC

#### General


Overall Dimensions ..... Height ..... 8.75 in. (22 cm)  
 Width ..... 11.75 in. (30 cm)  
 Depth ..... 14 in. (35.5 cm)  
 Weight ..... 12 lbs. (5.4 kg)  
 Max. Acceleration Time ..... 18 seconds  
 Max. Deceleration Time ..... 20 seconds  
 Timer ..... Electronic, 1 to 30 minutes, preset to 10 minutes


#### Maximum Speed

6-Tube Horizontal Rotor ..... 3,800 RPM

#### Maximum Force

6-Tube Horizontal Rotor ..... 2,000 xg

Parts Included	QTY Included	Part Number	COMMENTS
 6 Tube Horizontal Rotor	1	7786067	High strength glass fiber
 75 - 100 mm Tube Holder	6	7713079	For use with 75 - 100 mm tubes ( 3 mL - 10 mL)

Optional Accessories	QTY Included	Part Number	COMMENTS
 SmartView™ Platform	Available as an accessory	00-079-009-001	Tilts the centrifuge forward for better view and easier reach inside without loss of g-force.



# 642VFD PLUS

## CLINICAL CENTRIFUGE FOR HIGH QUALITY ANALYTICAL RESULTS

- HORIZONTAL CENTRIFUGATION
- 6 TUBE CAPACITY
- SINGLE BUTTON OPERATION
- TWO PRESET SPEEDS AND RUNTIMES
- 3,800 MAX RPM
- 2,000 XG MAX RCF
- CE MARK, UL LISTED

### 642VFD-PLUS CENTRIFUGE SPECIFICATIONS CATALOG NUMBER: 00-027-009-001

#### Electrical

Voltage ..... 120/220 Volts ( $\pm$  10/25 Volts)  
 Frequency ..... 50/60 Hz  
 Max. Power Requirements ..... 165 Watts  
 Protection Breaker ..... 4 Amp. Re-settable  
 Centrifuge Motor ..... 1/30 H.P. Brushless AC

#### Maximum Speed



6-Tube Horizontal Rotor ..... 3,800 RPM


#### General

Overall Dimensions..... Height..... 8.75 in. (22 cm)  
 Width..... 11.75 in. (30 cm)  
 Depth..... 14 in. (35.5 cm)  
 Weight..... 12 lbs. (5.4 kg)  
 Max. Acceleration Time..... 18 seconds  
 Max. Deceleration Time ..... 20 seconds  
 Timer ..... Electronic, 1 to 30 minutes,  
 preset to 10 minutes

#### Maximum Force

6-Tube Horizontal Rotor ..... 2,000 xg

Parts Included	QTY Included	Part Number	COMMENTS
 6 Tube Horizontal Rotor	1	7786067	High strength glass fiber
 75 - 100 mm Tube Holder	6	7713079	For use with 75 - 100 mm tubes (3 mL - 10 mL)

Optional Accessories	QTY Included	Part Number	COMMENTS
 SmartView™ Platform	Available as an accessory	00-079-009-001	Tilts the centrifuge forward for better view and easier reach inside without loss of g-force.

# Horizon

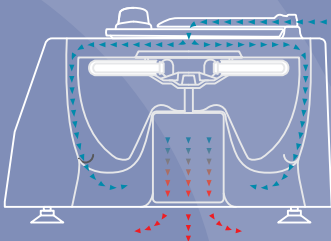
## Tabletop Fixed-Angle Centrifuges

### Fixed-Angle Centrifugation for Point of Care Analysis.

Our line of fixed-angle centrifuges provide affordable, reliable sample separation for specimens that will not need to travel before analysis.

#### Cool Operation

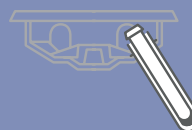
Unique design of the motor housing and rotation chamber allows for cool operation even under the heaviest workloads



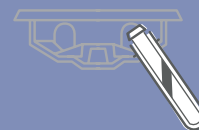
#### Fixed-Angle Rotor Included

Used for spinning 75 mm, 100 mm, and 125 mm test tubes in specially designed tube holders

Loading Angle



Rotation Angle



### FEATURES

**Tube Sizes:** 0.5 mL to 15 mL; up to 17 mm x 125 mm

**Brushless AC Motor:** Smooth operation with no routine maintenance

**Quiet Operation with Low Vibration:** Double-encased motor assures quiet performance and low out-of-balance vibration

**Cool Operation:** Unique air-flow design cools the rotor chamber and motor with ambient air; protecting your samples and maximizing sample integrity

**Two Year Warranty:** Every Drucker centrifuge is protected by a comprehensive two year warranty.

### SAFETY

**Regulatory Approvals:** Certified to United States and Canadian safety standards

**Reinforced Side Walls:** Glass fiber reinforced nylon & high-impact polycarbonate provide dual layers of protection

# 614B

## SINGLE SPEED ADJUSTABLE TIME FIXED ANGLE CENTRIFUGE



- FIXED-ANGLE CENTRIFUGATION
- 6 TUBE CAPACITY
- MECHANICAL TIMER
- SINGLE SPEED
- 3,250 MAX RPM
- 1,100 XG MAX RCF
- UL LISTED

### 614B CENTRIFUGE SPECIFICATIONS

CATALOG NUMBER: 00-004-009-001

#### Electrical

Voltage..... 115(± 10%) Volts  
 Frequency..... 60 Hz  
 Max. Power Requirements ..... 115 Watts  
 Centrifuge Motor ..... 1/30 H.P. Brushless AC

#### Maximum Speed


6-Tube Fixed Angle Rotor ..... 3,250 RPM


#### General

Overall Dimensions ..... Height ..... 8.75 in. (22 cm)  
 Width ..... 11.75 in. (30 cm)  
 Depth..... 14 in. (35.5 cm)  
 Weight ..... 11 lbs. (5 kg)  
 Timer ..... Mechanical, 1 to 30 minutes (+/- 10%)  
 Max. Acceleration Time ..... 30 seconds  
 Max. Deceleration Time..... 40 seconds  
 Noise at 3 ft..... 55 db

#### Maximum Force

6-Tube Fixed Angle Rotor ..... 1,100 xg

Parts Included	QTY Included	Part Number	COMMENTS
 6 Tube Fixed-Angle Rotor	1	7786047	For use with 75 mm, 100 mm, and 125 mm tubes
 75 mm Tube Holder	6	7713033	For use with 17 x 75 mm tubes
 100 mm Tube Holder	6	7713031	For use with 17 x 100 mm tubes

Optional Accessories	QTY Included	Part Number	COMMENTS
 SmartView™ Platform	Available as an accessory	00-079-009-001	Tilts the centrifuge forward for better view and easier reach inside without loss of g-force.

# 614M

## 12VDC MOBILE CENTRIFUGE FOR MOBILE FIXED ANGLE PROCESSING



- FIXED-ANGLE CENTRIFUGATION
- 6 TUBE CAPACITY
- MECHANICAL TIMER
- SINGLE SPEED
- 3,850 MAX RPM
- 1,600 XG MAX RCF

### 614M CENTRIFUGE SPECIFICATIONS

CATALOG NUMBER: 00-080-009-000

#### Electrical

Voltage..... 13.8-24 Volts DC  
 Max. Power Requirements ..... 100 Watts  
 Over Current Protector..... Fused - 15 Amps  
 Centrifuge Motor ..... 1/30 H.P. DC

#### General

Overall Dimensions ..... Height ..... 8.75 in. (22 cm)  
 Width ..... 11.75 in. (30 cm)  
 Depth..... 14 in. (35.5 cm)  
 Weight ..... 11 lbs. (5 kg)  
 Timer ..... Mechanical, 1 to 30  
 minutes (+/- 10%)  
 Max. Acceleration Time ..... 30 seconds  
 Max. Deceleration Time ..... 40 seconds  
 Noise at 3 ft ..... 55 db


#### Maximum Speed

6-Tube Fixed Angle Rotor ..... 3,850 RPM

#### Maximum Force

6-Tube Fixed Angle Rotor ..... 1,600 xg

Parts Included	QTY Included	Part Number	COMMENTS
 6 Tube Fixed-Angle Rotor	1	7786047	For use with 75 mm, 100 mm, and 125 mm tubes
 75 - 100 mm Tube Holder	6	7713079	For use with 75 - 100 mm tubes (3 mL - 10 mL)

Optional Accessories	QTY Included	Part Number	COMMENTS
 SmartView™ Platform	Available as an accessory	00-079-009-001	Tilts the centrifuge forward for better view and easier reach inside without loss of g-force.

# 642VES

## PROGRAMMABLE MULTI-PURPOSE FIXED-ANGLE CENTRIFUGE



- FIXED-ANGLE CENTRIFUGATION
- 6 TUBE CAPACITY
- DIGITAL TIME CONTROL
- DIGITAL SPEED CONTROL
- 3,900 MAX RPM
- 1,600 XG MAX RCF
- CE MARK, UL LISTED

### 642VES CENTRIFUGE SPECIFICATIONS CATALOG NUMBER: 00-024-009-003

#### Electrical

Voltage..... 120/220 Volts (± 10/25 Volts)  
 Frequency..... 50/60 Hz  
 Max. Power Requirements ..... 165 Watts  
 Protection Breaker ..... 4 Amp. Re-settable  
 Centrifuge Motor ..... 1/30 H.P. Brushless AC

#### General

Overall Dimensions ..... Height ..... 8.75 in. (22 cm)  
 Width ..... 11.75 in. (30 cm)  
 Depth..... 14 in. (35.5 cm)  
 Weight ..... 12 lbs. (5.4 kg)  
 Timer ..... Electronic, 1 to 30 minutes, preset to 10 minutes  
 Max. Acceleration Time ..... 18 seconds  
 Max. Deceleration Time..... 20 seconds


#### Maximum Speed

6-Tube Fixed Angle Rotor ..... 3,900 RPM

#### Maximum Force

6-Tube Fixed Angle Rotor ..... 1,600 xg

Parts Included	QTY Included	Part Number	COMMENTS
 6 Tube Fixed Angle Rotor	1	7786067	For use with 75 mm, 100 mm, and 125 mm tubes
 75 - 100 mm Tube Holder	6	7713079	For use with 75 - 100 mm tubes (3 mL - 10 mL)

Optional Accessories	QTY Included	Part Number	COMMENTS
 SmartView™ Platform	Available as an accessory	00-079-009-001	Tilts the centrifuge forward for better view and easier reach inside without loss of g-force.





# 642VFD

## ONE BUTTON OPERATION FIXED-ANGLE CENTRIFUGE

- FIXED-ANGLE CENTRIFUGATION
- 6 TUBE CAPACITY
- SINGLE BUTTON OPERATION
- SINGLE SPEED AND TIME SETTING
- 3,900 MAX RPM
- 1,600 XG MAX RCF
- CE MARK, UL LISTED

### 642VFD CENTRIFUGE SPECIFICATIONS CATALOG NUMBER: 00-025-009-003

#### Electrical

Voltage..... 120/220 Volts (± 10/25 Volts)  
 Frequency..... 50/60 Hz  
 Max. Power Requirements ..... 165 Watts  
 Protection Breaker ..... 4 Amp. Re-settable  
 Centrifuge Motor ..... 1/30 H.P. Brushless AC

#### Maximum Speed


6-Tube Fixed Angle Rotor ..... 3,900 RPM


#### General

Overall Dimensions ..... Height ..... 8.75 in. (22 cm)  
 Width ..... 11.75 in. (30 cm)  
 Depth..... 14 in. (35.5 cm)  
 Weight ..... 12 lbs. (5.4 kg)  
 Timer ..... Electronic, 1 to 30 minutes, preset to 10 minutes  
 Max. Acceleration Time ..... 18 seconds  
 Max. Deceleration Time..... 20 seconds

#### Maximum Force

6-Tube Fixed Angle Rotor ..... 1,600 xg

Parts Included	QTY Included	Part Number	COMMENTS
 6 Tube Fixed-Angle Rotor	1	7786067	For use with 75 mm, 100 mm, and 125 mm tubes
 75 - 100 mm Tube Holder	6	7713079	For use with 75 - 100 mm tubes (3 mL - 10 mL)

Optional Accessories	QTY Included	Part Number	COMMENTS
 SmartView™ Platform	Available as an accessory	00-079-009-001	Tilts the centrifuge forward for better view and easier reach inside without loss of g-force.

# 642VFD PLUS



## PRESET RUNTIME, TWO SPEED FIXED-ANGLE CLINICAL CENTRIFUGE

- FIXED-ANGLE CENTRIFUGATION
- 6 TUBE CAPACITY
- PRESET RUN TIME
- TWO CUSTOMIZABLE PRESET SPEEDS
- 3,900 MAX RPM
- 1,600 XG MAX RCF
- CE MARK, UL LISTED

### 642VFD-PLUS CENTRIFUGE SPECIFICATIONS CATALOG NUMBER: 00-027-009-003

#### Electrical

Voltage..... 120/220 Volts (± 10/25 Volts)  
 Frequency..... 50/60 Hz  
 Max. Power Requirements ..... 165 Watts  
 Protection Breaker ..... 4 Amp. Re-settable  
 Centrifuge Motor ..... 1/30 H.P. Brushless AC

#### Maximum Speed


6-Tube Fixed Angle Rotor ..... 3,900 RPM

#### General

Overall Dimensions ..... Height ..... 8.75 in. (22 cm)  
 Width ..... 11.75 in. (30 cm)  
 Depth..... 14 in. (35.5 cm)  
 Weight ..... 12 lbs. (5.4 kg)  
 Timer ..... Electronic, 1 to 30 minutes, preset to 10 minutes  
 Max. Acceleration Time ..... 18 seconds  
 Max. Deceleration Time..... 20 seconds

#### Maximum Force

6-Tube Fixed Angle Rotor ..... 1,600 xg

Parts Included	QTY Included	Part Number	COMMENTS
 6 Tube Horizontal Rotor	1	7786067	For use with 75 - 100 mm tubes (3 mL - 10 mL)
 75 - 100 mm Tube Holder	6	7713079	For use with 75 - 100 mm tubes (3 mL - 10 mL)

Optional Accessories	QTY Included	Part Number	COMMENTS
 SmartView™ Platform	Available as an accessory	00-079-009-001	Tilts the centrifuge forward for better view and easier reach inside without loss of g-force.

# 653V

## ADJUSTABLE SPEED AND TIME CONTROL FIXED-ANGLE CENTRIFUGE



- FIXED-ANGLE CENTRIFUGATION
- 20 TUBE CAPACITY
- ELECTRONIC TIMER
- ELECTRONIC SPEED CONTROL
- 3,200 MAX RPM
- 1,250 XG MAX RCF
- CE MARK, UL LISTED

### 653V CENTRIFUGE SPECIFICATIONS

20-PLACE CATALOG NUMBER: 00-032-009-001  
6-PLACE CATALOG NUMBER: 00-032-009-002

#### Electrical

Voltage..... 115/230 Volts (± 10)  
Frequency..... 50/60 Hz  
Max. Power Requirements ..... 230 Watts  
Protection Breaker ..... 4 Amp. Re-settable  
Centrifuge Motor ..... 1/2 H.P. Brushless DC

#### General




Overall Dimensions ..... Height..... 9.3 in. (23.6 cm)  
Width ..... 12.9 in. (32.8 cm)  
Depth..... 15.8 in. (40.1 cm)  
Weight ..... 33.7 lbs. (15.3 kg)  
Timer ..... Electronic, 1 to 30 minutes  
Max. Acceleration Time ..... 35 seconds  
Max. Deceleration Time..... 35 seconds

#### Maximum Speed

6-Tube Fixed Angle Rotor ..... 3,200 RPM  
20-Tube Fixed-Angle Rotor..... 3,200 RPM

#### Maximum Force

6-Tube Fixed Angle Rotor ..... 1,250 xg  
20-Tube Fixed-Angle Rotor..... 1,250 xg

Parts Included	QTY Included	Part Number	COMMENTS
 20 Tube Fixed Angle Rotor	1	7786042	For use with 17 mm x 75, 100, and 125 mm tubes
 100 mm Carrier, 2-Place	6	7713040	Can accommodate up to two (2) 16 x 100 mm tubes
 1 Inch Cushion Spacer	20	1525	

# Drucker QBC

## Dry Hematology Solutions

**Fast, accurate 9-Parameter CBC without the risks of wet hematology.**

QBC dry hematology solutions connect care providers with the information they need to accurately treat and diagnose patients even in the most remote corners of the world.

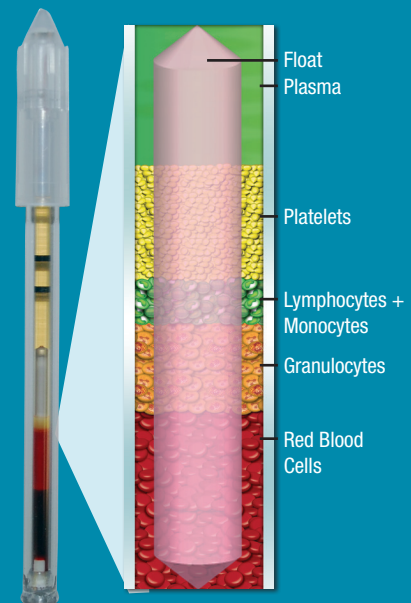
### How It Works

QBC's family of dry hematology tools use optical analysis to determine relevant values within the blood.

**Centrifugation:** Under centrifugation, differing densities cause the different components of blood to separate into layers within the tube. These layers are seen in the illustration to the right.

**The Tubes:** High-grade tubes are internally coated with all necessary stains and reagents and are easily filled with just 70 $\mu$ L of blood from finger sticks, heel sticks, or venous draws.

The tubes contain a precision float which stretches out the platelet, lymphocyte and monocyte, and granulocyte layers to make these small layers more easily measurable. The precise specific density of the float also allows for the direct measurement of the hemoglobin concentration in the red blood cells.



### FEATURES

**No Liquid Reagents:** Dry system allows for maximum shelf life of testing accessories.

**Complete Sample Containment:** No device components are exposed to samples during normal operation, minimizing the risk of contamination.

**Multiple Sample Collection Options:** Samples can be collected by venous draw, heel stick, or capillary source.

**Fast Results:** Results available as quickly as 7 minutes from draw.

### SAFETY

**Regulatory Approvals:** Certified to United States and Canadian Safety standards.

**Minimal Fluids Exposure:** QBC dry hematology tubes are not breached in the course of normal analysis, reducing the risk of contamination or exposure.

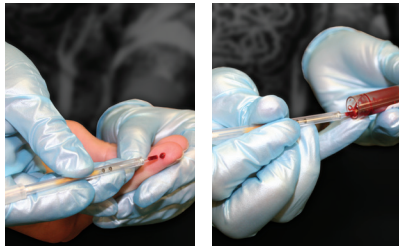


Catalog Number 429001

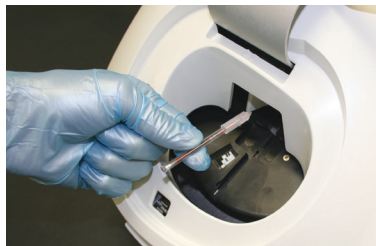
# QBC® STAR™ Dry Hematology

SIMPLE, SINGLE BUTTON OPERATION  
NO LIQUID REAGENTS  
9 PARAMETER 2 PART DIFFERENTIAL CBC  
FOR CAPILLARY AND VENOUS BLOOD

*Collect Sample*



*Place Tube in the Analyzer*



*Press Start*



For use with QBC STAR Tube P/N: 429011(20 Count), 429625 (100 Count)

## QBC STAR Operating Ranges

PARAMETERS	OPERATING RANGE	PRECISION
Hematocrit (Hct) (%)	15 – 65	2% C.V.
Hemoglobin (Hgb) (g/dL)	5.0 – 20.0	1.9% C.V.
Mean Corpuscular Hemoglobin Concentration (MCHC) (g/dL)	25 - 37.3	N/A
WBC Count (x 10 <sup>9</sup> /L)	1.6 – 99.9	6.4% C.V.
Granulocyte (x 10 <sup>9</sup> /L)	0.8 – 70	< 3.2 S.D.
Granulocyte % (Gran %)	1 - 99	N/A
Lymphocyte/Monocyte Count (x 10 <sup>9</sup> /L)	0.8 – 99.9	< 3.2 S.D.
Lymphocyte and Monocyte % (Lymph/Mono %)	1 - 99	N/A
Platelet Count (x 10 <sup>9</sup> /L)	20 – 999	6.0% C.V.

**Ships with thermal printing paper, 104-key keyboard, 8GB USB memory stick, and 20 pack of STAR tubes (P/N 429011).**

## General Specifications

**Dimensions**..... W16" x D16.3" x H16.3"  
40.6 cm x 41.4 cm x 41.4 cm  
**Weight** ..... 19 lbs. (8.6 kg)  
**Noise** ..... <70 db @ 3 ft  
**Sample Volume** ..... 70 µL  
**Display**..... LCD, Resolution 160x160  
**Printout**..... 58 mm thermal recorder paper

## Electrical Specifications

**Voltage Input**..... 100 - 240 VAC  
**Frequency** ..... 50 - 60 Hz  
**Current Output**..... 5.21 A (Peak)

## Connectivity

**USB**..... 3 external Ports  
**Ethernet (Wired)**..... RJ45  
**LIS Integration** ..... Possible

## Operating Environment

**Temperature** ..... 16°C - 32°C  
**Humidity** ..... 10% - 95% Non-condensing

# QBC<sup>®</sup> Reader II

## Dry Hematology

EASY TO USE

NO LIQUID REAGENTS

9-PARAMETER 2 PART DIFFERENTIAL CBC

FOR CAPILLARY AND VENOUS BLOOD



PARAMETERS	OPERATING RANGE	PRECISION
Hematocrit (Hct) (%)	15 – 65	0.6% C.V.
Hemoglobin (Hgb) (g/dL)	5.0 – 20.0	0.6% C.V.
Mean Corpuscular Hemoglobin Concentration (MCHC) (g/dL)	25 - 37.3	N/A
WBC Count (x 10 <sup>9</sup> /L)	1.0– 99.9	6.3% C.V.
Granulocyte (x 10 <sup>9</sup> /L)	0.5 – 70.0	< 3.3 S.D.
Granulocyte % (Gran %)	1 - 99	N/A
Lymphocyte/Monocyte Count (x 10 <sup>9</sup> /L)	0.5 – 99.9	< 3.3 S.D.
Lymphocyte and Monocyte % (Lymph/Mono %)	1 - 99	N/A
Platelet Count (x 10 <sup>9</sup> /L)	20 – 999	4.4% C.V.

### Specifications

#### General

Width ..... 9 in. (23 cm)  
 Depth ..... 8 in. (20 cm)  
 Height ..... 5.25 in. (13 cm)  
 Weight ..... 3.7 lbs. (1.68 kg)

#### General

Voltage..... 100 – 240 VAC (± 10%)  
 Frequency ..... 50/60 Hz  
 Power Output ..... 25 Watts

### Environmental Specifications

#### Non-Operating Storage

Temperature..... -20°C to 60°C  
 Humidity..... 5% - 95% (non-condensing relative humidity)

#### Operating

Temperature..... 15°C to 40°C  
 Humidity..... 5% - 95% (non-condensing relative humidity)

Use with Accutube P/N 423406  
 Use with QBC capillary centrifuge P/N 425740



Catalog Number 425740

# Capillary Centrifuge Dry Hematology

FOR USE WITH QBC ACCUTUBE  
HEMATOLOGY OR IMMUNOLOGY  
RUGGED AND RELIABLE IN THE FIELD

## General Specifications

- Dimensions (with lid closed)** .....W 9.25" x D 11.75" x H 5"
- Capacity** .....Up to 20 QBC AccuTubes
- Weight (with rotor and cover installed)** ..6.2 lbs. (2.8 kg)
- Nominal Speed** .....12,000 rpm  $\pm$ 80 rpm
- Relative Centrifugal Force (RCF)**.....at nominal speed: 14,387 g
- Rotor Capacity**.....20 numbered tube slots
- Electronic Timer**.....300 seconds spin; 15-20 seconds deceleration
- Electro-Mechanical Safety Interlock**.....Lid must be closed and latched before motor can be energized. Lid remains locked until rotor stops.

## Electrical Specifications

- Electrical**.....48 VDC  $\pm$ 3 VDC, 2.7  
ADC Maximum, steady state
- Power Input Cable** .....4.8 in (12.2 cm)  
(power pack)
- Input**.....100-240 VAC, 47-63 Hz
- Output** .....48 VDC, 2.7 amp
- DC Output Cable** .....4 ft (1.2 m)
- AC Line Cord**
- (Standard Cord).....7.5 ft (2.3 m)
- (Continental European Cord) .....8.2 ft (2.5 m)

## Included Parts:

- Capillary centrifuge rotor
- Power pack

For Use With	Cat. Number
QBC Autoread Plus	428605
QBC Malaria Test	424331
QBC Reader II	424332
QBC AccuTube	424332

**For use with QBC AccuTube, QBC Autoread Plus, QBC Reader II, and QBC Malaria Test kits (available separately).**

# QBC<sup>®</sup> Autoread Plus Dry Hematology

NO LIQUID REAGENTS

2 PART DIFFERENTIAL 9-PARAMETER CBC

CAPILLARY OR VENOUS BLOOD



Catalog Number 428605

## QBC Autoread Plus Operating Ranges

PARAMETERS	OPERATING RANGE	PRECISION
Hematocrit (Hct) (%)	25 – 55	0.6% C.V.
Hemoglobin (Hgb) (g/dL)	5.0 – 20.0	0.6% C.V.
Mean Corpuscular Hemoglobin Concentration (MCHC) (g/dL)	25 - 37.3	N/A
WBC Count (x 10 <sup>9</sup> /L)	2.0 – 30.0	6.3% C.V.
Granulocyte (x 10 <sup>9</sup> /L)	0.5 – 29.7	< 3.3 S.D.
Granulocyte % (Gran %)	1 - 99	N/A
Lymphocyte/Monocyte Count (x 10 <sup>9</sup> /L)	0.5 – 29.7	< 3.3 S.D.
Lymphocyte and Monocyte % (Lymph/Mono %)	1 - 99	N/A
Platelet Count (x 10 <sup>9</sup> /L)	80 – 600	4.4% C.V.

### Non-Operating Storage

Temperature..... -20°C to 60°C  
Humidity..... 5% - 95% (non-condensing relative humidity)

### Operating

Temperature..... 20°C to 37°C  
Humidity..... 5% - 95% (non-condensing relative humidity)

For use with QBC Accutube, P/N 423406

### Included Parts:

- QBC AccuTubes (box of 10)
- Pipetter
- Universal Power Pack
- Capillary Centrifuge
- USB to USB "B" Cable

### General Specifications

**Dimensions** ..... W 13.5" x D 9.5" x H 4"  
(34.3 cm x 24.13 cm x 10.2 cm)

**Weight** ..... 8 lbs. (3.6 kg)

**Noise** ..... 55.7 dB(A)

**Display** ..... Reflective-type, LCD Display

**Sample Volume**..... 70 µL (AccuTube)  
60µl (Standard Capillary/E-Z Prep  
Capillary) 111µl (Standard Venous/EZ  
Prep Venous)

### Electrical Specifications

**Voltage** ..... 90-265 VAC

**Frequency** ..... 50-60 Hz

**Power** ..... 170 W

**Power Cord** ..... 8 ft. (2.4 m)

**DC Output Cord**..... 3 ft. (0.3 m) 8 wire, shielded  
cord and 9-pin male plug



# SampleSafe

## Specimen Protection Lockboxes

### Specimen Protection

Extend sample viability up to 16x beyond the leading metal lockbox in hot or cold. SampleSafe can pay for itself in just one day of extreme temperatures.

#### Time to Overheat without Cold Pack

100°F (38°C) Outside Temperature



SampleSafe™ Lockbox

#### Time to Freezing SampleSafe vs. Steel

15°F (-9°C) Outside Temperature



Insulated Steel Box



SampleSafe™ Lockbox

#### Time to Overheat with Cold Pack

100°F (38°C) Outside Temperature



SampleSafe™ Lockbox

### Heat and cold can both render specimens unusable.

In 100°F (38°C) weather, heat exposure can damage the tube's gel separation barrier and cause proteins to precipitate from the plasma. At 15°F (-9°C), specimens can freeze and hemolyze even if stored in an insulated steel lockbox.

If a lab processes at least six samples per day, one day of extreme temperatures without the SampleSafe lockbox could ruin all six samples, at a cost of up to \$150 in re-draws. With a SampleSafe protecting the specimens, no re-draws are required - a \$150 savings, the retail price of the lockbox.



Reference  
Labs



Vaccine  
Transport



Hospital  
Transport



Organ & Tissue  
Transport



Traveling  
Nurses



General  
Purpose




# SampleSafe



## Top-Load Lockbox

CATALOG NUMBER 00-071-009-000



### OPTIONAL ACCESSORIES

ANTI-THEFT DEVICES		PART NUMBER
	Under Door Bracket Kit	02-004-0-0002
	Anchor Bracket Kit (Use with Cable)	02-004-0-0003
	Anchor Cable (6 Foot)	03-1-0012-0054

FOR ADDITIONAL PERFORMANCE		PART NUMBER
	False Bottom for Cold Pack	03-1-0012-0039
	Cold Pack (6" x 9" x .8")	03-1-0012-0053

### SPECIFICATIONS

Height .....	14 in.
Width .....	15 in.
Depth .....	8 in.
Weight .....	11.5 lbs.
Internal Volume.....	570 in <sup>3</sup>
Warranty .....	3 years







# SampleSafe

## Front-Load Lockbox

CATALOG NUMBER 00-078-009-000




### OPTIONAL ACCESSORIES

ANTI-THEFT DEVICES	PART NUMBER
 Door Hanging Bracket - 24"	02-004-0-0007
 Door Hanging Bracket - 36"	00-078-109-000
 Under Door Bracket Kit	02-004-0-0002
 Anchor Bracket Kit (Use with Cable)	02-004-0-0003
 Anchor Cable (6 Foot)	03-1-0012-0054
 Wall Mounting Kit (Bracket & Screws)	02-004-0-0009

### SPECIFICATIONS

Height .....	14 in.
Width .....	15 in.
Depth .....	8 in.
Weight .....	11.5 lbs.
Internal Volume .....	570 in <sup>3</sup>
Warranty .....	3 years

FOR ADDITIONAL PERFORMANCE	PART NUMBER
 Cold Pack (6" x 9" x .8")	03-1-0012-0053

# Fluorescence Microscopy

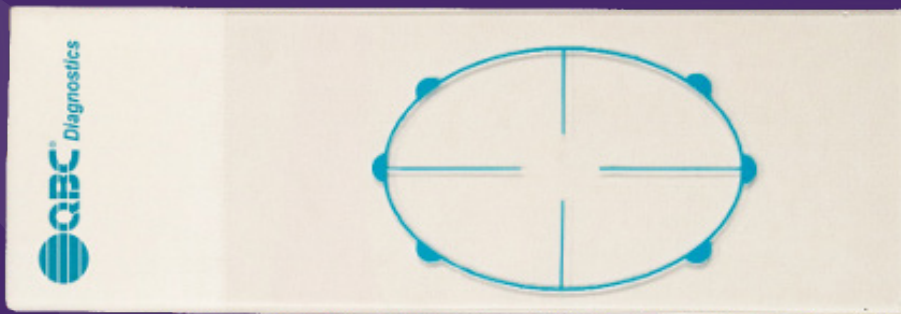
Malaria and Tuberculosis Diagnosis Tools

## Fast and Accurate, Every Time.

QBC fluorescence microscopy tools deliver results faster with LED microscopy, brighter staining, easier reading, and faster dry times.

## Tuberculosis

Fluorescence microscopy is at the heart of tuberculosis diagnosis. QBC F.A.S.T. AFB kits work with the fluorescence of the ParaLens to provide sensitive, detailed detection of tuberculosis acid fast bacilli. The proprietary QBC SureFocus Microscope slides make it easier to keep samples in focus, helping ensure an accurate bacteria count in accordance with WHO guidelines.



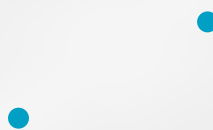
## Malaria

The malaria parasite is detectable under fluorescence. QBC offers two different types of malaria testing. The QBC Malaria Test utilizes centrifugation to concentrate Malaria-infected red blood cells with fluorescent staining for fast and high-sensitivity Malaria detection. The second is Malaria stain to be used with blood smears, greatly increasing speed and sensitivity when compared to GIEMSA stain, especially for low-parasitemia samples.

### Example

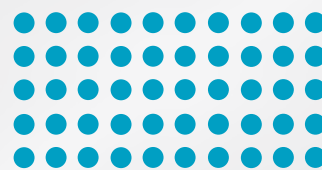
*Patient presents with low level malaria of 1 parasite per  $\mu\text{L}$  of blood*

**Giemsa**  
(~2  $\mu\text{L}$  of blood)



**2 parasites detected**

**QBC Test**  
(~50  $\mu\text{L}$  of blood)



**50 parasites detected**



# ParaLens Advance

## LED FLUORESCENCE ADAPTOR FOR USE WITH LIGHT MICROSCOPES

- ATTACHES AS AN OBJECTIVE
- LED LIGHT SOURCE
- MULTIPLE POWER OPTIONS
- DURABLE CONSTRUCTION

## ParaLens Advance Specifications

Included in Every ParaLens Shipping Assembly:

1. Blue LED Light Source
2. Detachable filter set arm
3. Power pack
4. Universal plug adaptor kit
5. Flat blade screwdriver
6. ParaLens Advance preventative maintenance kit
7. Objectives as specified
8. Hard shell carrying case

*(ParaLens Advance with 20x/40x, 60x or 100x Objectives, with case)*

**Dimensions** W 12" x D 3.9" x H 8.3"  
(30.5 cm x 9.9 cm x 21.1 cm)

**Weight** 3.1 lb (1.41 kg)

### Portability Pack Shipping Assembly (Cat. No. 424340)

1. Solar cell battery pack (Cat. No. 427728)
2. Solar cell wall charger (Cat. No. 427726)
3. USB to light source cable (Cat. No. 427725)
4. 12v battery clip to lighter adapter (Cat. No. 427721)
5. Lighter adapter to light source cable (Cat. No. 427727)

*(ParaLens Advance Complete Fluorescence System with Portability Pack, with case)*

**Dimensions** W 18.5" x D 4.8" x H 15"  
(47.0 cm x 12.2 cm x 38.1 cm)

**Weight** 7.7 lb (3.48 kg)

### Available Accessories

- QBC Microscope Camera 427500
- RMS to M27 Ring Adapter 424288
- RMS to M25 Ring Adapter 427729
- RMS to M25 + 15mm Ring Adapter 424289
- Infinity Correction Lens 424265
- Preventative Maintenance Kit 424341
- Immersion Oil (Type B) 424341
- ParaViewer for use with malaria tubes 424426
- Mobile Power Station 427426
- Solar Cell Wall Charger 427726
- Solar Cell Battery Pack 427728
- USB to Light Source Cable 427725
- 12 V Battery Clip to Lighter Adapter 427721
- Lighter Adapter to Light Source Cable 427727
- QBC Workstation 424226

Available Products & Accessories	Cat. Number
QBC ParaLens Advance with 20x and 40x Objectives	424330
QBC ParaLens Advance with 60x Objective	424331
QBC ParaLens Advance with 100x Objective	424332
QBC ParaLens Advance Complete Fluorescence System with 20x, 40x, 60x, and 100x objectives	424333
QBC ParaLens Advance Microscope Accessory	424294
QBC ParaLens Advance with 10x, 20x, 40x, and 100x Objectives and Infinity Correction Lens	424345
QBC ParaLens Advance with 40x and 100x Objectives	424346
QBC ParaLens Advance with 20x, 40x, and 100x Objectives	424347

**ParaLens Advance can work with any compound light microscope. Standard RMS threading allows easy attachment, and adapter rings are available for compatibility with non-standard sizes.**



# F.A.S.T. Malaria Stain

## HIGH CONTRAST MALARIA STAIN FOR EASIER PARASITE DETECTION

- DETECT, QUANTIFY, AND SPECIATE
- HIGH CONTRAST STAINING
- FAST RESULTS
- EASY PREPARATION

## Features Include:

### Unrivaled Speed

F.A.S.T. Malaria Stain prepares thin smears in just 1 minute, and thick smears in 10 minutes - a fraction of the time required for Giemsa stains.

### Fluorescent Clarity

F.A.S.T. Malaria Stain provides vastly improved contrast compared to light microscopy, with bright parasites and minimal stray artifacts.

### Simple Training

F.A.S.T. Malaria Stain utilizes the same basic preparation techniques as Giemsa stains, simplifying training for new users.

## Shipping Assembly for Stain Kits

- F.A.S.T. Malaria Stain, bottled

**Microscope slides, ParaLens Advance fluorescence microscopy tool, and all other accessories sold separately.**

## Available Quantities

**QBC F.A.S.T. Malaria Stain, 120 mL**  
Cat. Number 427760

**Dimensions** .....W 6" x D 6" x H 10"  
(152.4 mm x 152.4 mm x 254 mm)  
**Weight**.....1.2 lbs (0.54 kg)

**QBC F.A.S.T. Malaria Stain, 250 mL**  
Cat. Number 427761

**Dimensions** .....W 6" x D 6" x H 10"  
(152.4 mm x 152.4 mm x 254 mm)  
**Weight**.....1.45 lbs (0.67 kg)

**QBC F.A.S.T. Malaria Stain, 3.8 L**  
Cat. Number 427762

**Dimensions** .....W 6 1/16" x D 6 1/16" x H 12 13/16"  
(153.9 mm x 153.9 mm x 325.4 mm)  
**Weight**.....9.7 lbs (4.34 kg)

Available Products & Accessories	Cat. Number
QBC F.A.S.T.™ Malaria Stain (120 mL)	427760
QBC F.A.S.T. Malaria Stain (250 mL)	427761
QBC F.A.S.T. Malaria Stain (3.8 L)	427762
QBC F.A.S.T. Microscope Slides, box of 432	427401

## QBC F.A.S.T. Malaria Stain Specifications

**Excitation Wavelength** ...400 - 480 nm; 460 nm (peak)

**Emission Wavelength**.....470 - 550 nm

**Storage Temperature**39 °F to 113 °F (4 °C to 45 °C)

**Shelf Life**1 year



# QBC Malaria Test

**ACCURATE AND RAPID MALARIA TESTING  
CONVENIENT IN-TUBE MICROSCOPY**

- WHO RECOMMENDED TESTING METHOD
- EASY TO USE
- SELF-CONTAINED
- VENOUS OR CAPILLARY FILL

## Product Specifications:

**Storage** ..... 60.8 °F to 98.6 °F (16 °C to 37 °C)  
**Shelf Life** ..... 2 years from date of manufacture  
**Excitation Wavelength** ..... 460 nm  
**Emission Wavelength** ..... 550 nm  
**Sensitivity** ..... 1 parasite/mL of blood  
**Specificity** ..... >98%

## Shipping Assembly for Boxed Tests

- Prepared Tubes
- Precision floats
- Tube closures

## Required for Use

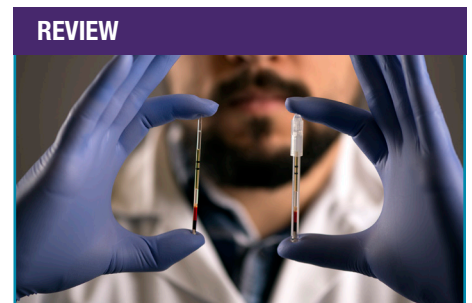
- Microscope with ParaLens fluorescence microscopy attachment
- ParaViewer (for viewing tubes on the microscope stage)
- QBC Capillary Centrifuge
- Immersion Oil (Type B)

**All required equipment is included in Cat. No. 424350.  
 Cat. No. 424450 includes all but a microscope.**

*(Cat. No. 253037, Box of 100 tests, In Shipping Material)*

**Dimensions** ..... W 8" x D 8.3" x H 6.5"  
 (200.3 mm x 209.6 mm x 165.1 mm)  
**Weight** ..... 1.8 lbs (0.82 kg)

Available Products & Accessories	Cat. Number
Complete QBC Malaria Test System	424350
QBC Malaria Test System with ParaLens and Centrifuge	424450
QBC Malaria Test (Box of 100)	253037
QBC Malaria Test (Box of 2000)	253005
ParaViewer	424278
Immersion Oil (Type B)	427708
Immersion Oil (Type B) (Pack of 4)	427752





# F.A.S.T. AFB Kits

## HIGH CONTRAST TUBERCULOSIS STAIN FOR EASIER PARASITE DETECTION

- DETECT, QUANTIFY, AND SPECIATE
- HIGH CONTRAST STAINING
- FAST RESULTS
- EASY PREPARATION

### Shipping Assembly for Stain Kits

- F.A.S.T. Auramine O Stain
- F.A.S.T. Decolorizer/Quencher

### Shipping Assembly for Smear Kits

- Stain Kit
- Quality control slides
- F.A.S.T. SureFocus Microscope slides
- F.A.S.T. Sputum Digestion solution

### Shipping Assembly for Fluorescence Systems

- Stain Kit and Smear Kit
- Research Grade Microscope with 4x, 10x, 40x, and 100x objectives
- ParaLens Advance microscope attachment with 20x and 40x objectives
- QBC Horizon 755VES Centrifuge

Available Products & Accessories	Cat. Number
QBC F.A.S.T.™ AFB Detection System with ParaLens Advance™, Microscope, and Centrifuge (115 V, 60 Hz)	427400
QBC F.A.S.T. AFB Detection System with ParaLens Advance, Microscope, and Centrifuge (230 V, 50 Hz)	427414
QBC F.A.S.T. AFB Detection System with ParaLens Advance	427420
QBC F.A.S.T. AFB Detection System with ParaLens Advance and Centrifuge (230 V, 50 Hz)	427421
QBC F.A.S.T. AFB Smear Kit	427409
QBC F.A.S.T. AFB Smear Kit with Digestion Solution	427408
QBC F.A.S.T. AFB E-Z Smear Kit	427410
QBC F.A.S.T. AFB Smear Starter Kit	427422

### Product Specifications

**Excitation Wavelength** .....460 nm

**Emission Wavelength**.....550 nm

**Storage** ..... 2 °C to 25 °C

**Shelf Life**.....2 years from date of manufacture

### Consumables:

#### 427404 QBC F.A.S.T. Auramine O Stain Kit (120 mL)

Includes stain and decolorizer for approximately 400 tests.

#### 427424 QBC F.A.S.T. Auramine O Stain Kit (250 mL)

Includes stain and decolorizer for approximately 800 tests.

#### 427425 QBC F.A.S.T. Auramine O Stain Kit (3.8 L)

Includes stain and decolorizer for approximately 12,800 tests.

#### 427402 QBC F.A.S.T. Quality Control Slides

Can be used to test staining and review methods. Includes 1 box of 5 slides.

#### 427411 QBC F.A.S.T. SureFocus™ Microscope Slides

Patent-pending fluorescent marker for proper focal plane and focus maintenance throughout review. 1 box of 432 slides.

#### 427403 QBC F.A.S.T. Sputum Digestion Solution

Process sputum while keeping AFB alive for culturing. Includes 9x 75 mL bottles and 4 packets of phosphate buffer powder.

#### 427401 QBC F.A.S.T. Microscope Slides

#### 427415 QBC F.A.S.T. Sputum Cups

#### 427416 QBC F.A.S.T. Applicator Sticks

#### 427406 QBC F.A.S.T. Sterile Sputum Prep Tubes

#### 427407 QBC F.A.S.T. Sterile Transfer Pipettes

#### 427429 QBC F.A.S.T. AFB Decolorizer Concentrate 3.8L

#### 427419 QBC F.A.S.T. AFB Stain Kit 250mL





[druckerdiagnostics.com](http://druckerdiagnostics.com)

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