

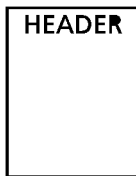
## Revisions

SO 0191-5

Rev from	Rev to	ECO #
B	03	4496-07

### Notes:

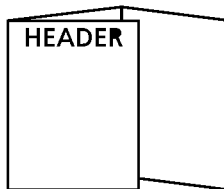
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- Style (see illustrations below): # 1



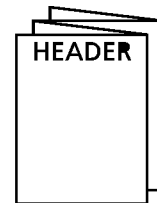
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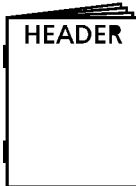
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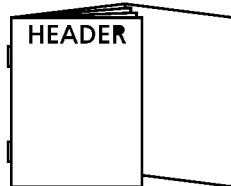
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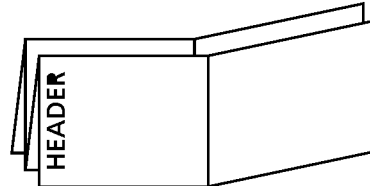
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- See drawing 0700200001 for material information.
- Ink Colors: Printed two sides ☒ Yes    ☐ No  
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- Graphics are approved by Becton, Dickinson and Company. Supplier has the responsibility for using the most current approved revision level

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Checked By	Date			
Part Number: 0700200001		Category and Description  Manual, BD MacroVue Rotator	Sheet: 1 of 2	A
			Scale: N/A	

# BD Macro-Vue™ Card Test Rotator

## Operator's Manual

0700200001(03)  
2007/08  
Catalog No. 278051

### OVERVIEW AND SAFETY INFORMATION

This manual contains important operating and safety information. The contents of this manual should be read carefully and understood prior to the use of the instrument.

### INTENDED USE

The **BD Macro-Vue™** Card Test Rotator is specifically designed for use with the **BD Macro-Vue** and other **BD Card Test Kits**. The rotator circumscribes a circle of 2 cm diameter, and has been designed to operate at  $100 \pm 2$  rpm, which is the recommended speed of rotation for Card Tests.

### GENERAL USAGE

Do not use this product for anything other than its intended usage.

### SAFETY INFORMATION

Use a properly grounded electrical outlet capable of the correct voltage and current handling capability.

Disconnect the rotator from the power receptacle before any service is attempted.

Do not use the rotator in the presence of flammable or combustible materials; fire or explosion may result.

Refer any servicing to qualified personnel.

### INSTALLATION

The **BD Macro-Vue** Card Test Rotator has been designed and manufactured with safety, function, and reliability in mind. It is your responsibility to install it in conformance with local electrical codes.

Place the rotator on a flat work surface with the timer knob facing to the front. Turn the POWER switch to the **OFF** position. Connect the plug of the line cord to a properly grounded 3 prong receptacle that will provide 120VAC ( $\pm 10\%$ ) at 60HZ.

Do not, under any circumstances, defeat or remove the grounding prong of the line cord.

If the humidifying cover is used, remove the sponge retaining clip and the sponge. Soak the sponge in water, and squeeze to remove excess water. Insert the sponge and the sponge retaining clip into the humidifying cover.

### OPERATION

Refer to the reagent and/or card product inserts and packaging for additional information.

To start the rotator, turn the TIME knob to the desired running time. Turn the POWER switch to the **ON** position.

### NOTE:

For times less than 3 minutes, turn the TIME knob clockwise past the 3 minute mark, and then counter-clockwise to the desired time.

### CAUTION:

**DO NOT PLACE OBJECTS ON THE ROTATOR PLATFORM HEAVIER THAN ONE POUND.**

### Operational Verification

The speed of the rotator may be checked by using a stopwatch. Turn the rotator on, and hold a pen or pencil next to the platform. Count the number of taps per minute.

### MAINTENANCE

#### Platform Top

The top must remain clean to maintain its friction gripping quality. Periodically, remove any debris from the platform top.

#### Humidifying Cover Sponge

Periodically remove the sponge in the humidifying cover, and clean with soap and water. Rinse with a disinfectant solution to prevent microbial growth in the sponge.

#### General Cleaning

Wipe the exterior surfaces with a lightly dampened cloth containing a mild soap or mild bleach (10:1 solution of 5% sodium hypochloride and water).

#### Lubrication

The drive motor and linkage assembly do not require any lubrication.

### RETURN AND SERVICING INFORMATION

Instruments that require service during the warranty period should be returned to BD for replacement or repair. Prior to returning any material to BD, please contact BD Technical Services at **1-800-638-8663 (Option 2)**.

### WARNING

Refer to the Safety Information in Section 1 before any service is attempted.

Any servicing performed during the warranty period will void the warranty.

### Troubleshooting

Jerky or erratic orbital action may indicate that the motor or bushings are worn and need replacement.

If the rotator fails to operate, ensure the line cord is connected to the rotator, and plugged into an operating outlet.

If the rotator fails to operate when plugged into an operating outlet, this may indicate a blown fuse, or a defective switch, motor, timer, or disengaged linkage assembly.

### REPLACEMENT PARTS

Replacement parts may be ordered directly from Barnstead International.

### Ordering Procedure:

All parts listed below may be ordered from BCD and Associates. To order parts, contact the Customer Service Department of BCD and Associates at <http://www.bcdandassociates.com>.

Part Number	Description
312-5070	Motor, (120VAC)
325-0371-3	Coupling
716-3501	Drive Bushing
716-3800	Idler Bushing, (2) required
322-5040	Timer
310-0140	Power Switch
080-0010	Fuse, (2) required
302-5041	Line Cord

### WARRANTY INFORMATION

BD warrants the **BD Macro-Vue** Rotator to be free from defects in workmanship and material for a period of 12 months from the date of purchase, provided the Rotator is operated in accordance with this Operation Manual.

During such period, BD agrees to replace or repair any parts which, in its judgment are found to be defective, provided the **BD Macro-Vue** Rotator has not been subject to abuse, modification, improper operation, or unauthorized repairs.

In no event shall BD be liable to any party for any direct, indirect, special, incidental, or consequential damages. There are no other warranties, expressed or implied, including, but not limited to, warranties of design, merchantability, and/or fitness for a particular purpose, except as stated herein.

To request service or return information, contact Technical Services at: **1-800-638-8663 (Option 2)**.

### SPECIFICATIONS

#### General Specifications:

Model	278051
Volts	120
Amps	0.35
Watts	16
Hertz	60
Width	7"
Height	5-1/4"
Depth	8"
Weight	5.5 lbs.
Maximum Load	3 lbs. (1.4 kg)
RPM	Fixed at 100
Orbit Diameter	20 mm
Platform Working Area	5" x 7"

Designed for continuous service.

#### Environmental Conditions

Operating: 17–27°C; 20–80% relative humidity, non-condensing. Installation Category II (overvoltage) in accordance with IEC 664.  
Pollution Degree 2 in accordance with IEC 664.

Altitude Limit: 2,000 meters

Storage: -25°C to 65°C; 10-85% relative humidity.

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