SHUR*I*Dry™ Slide Dryer III
Catalog # SD-III-120 or -220

Operator's Manual
Version 1.0, May 2011

Be certain to read this manual thoroughly
before proceeding with unpacking and installation.

Triangle Biomedical Sciences, Inc. 3014 Croasdaile Dr. Durham, NC 27705
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Contents

1.0 INTRODUCTION

Thank you for selecting TBS' **SHUR/*Dry*™ Slide Dryer III**. This instrument was carefully designed to be easy to use, safe to operate and capable of producing consistent, high quality results.

This operation manual introduces the instrument's components, key features and proper use. Please read this operation manual carefully before utilizing the fume hood.

The employees of TBS thank you for your support. Feel free to call TBS customer service at 919-384-9393 or e-mail us for support at service@trianglebiomedical.com.

1.1 Contact Information

1.1.1 TBS Corporate Headquarters

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E-mail: TBS@trianglebiomedical.com

Web: http://www.trianglebiomedical.com

1.1.2 Product Service Department

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E-mail: service@trianglebiomedical.com

2.0 UNPACKING

Be certain to inspect the shipping container carefully for any signs of damage to the outer carton. In the event of apparent mishandling, note the damage accordingly on the bill of lading and take pictures for future reference. Save the shipping carton and all packing material for proof of noted damage and / or for future shipment of the instrument back to the manufacturer for any future service needs. Failure to document external damage to the carton may limit your ability to obtain compensation from the carrier for damage. Remove the equipment from the shipping carton carefully. Notify the carrier immediately if there is any visible damage to the contents.

2.1 Contents

Description	Qty	Illustration
Operator's Manual	1	
Slide Dyer III	1	
Power Cord	1	
PARA/Gard™	1	

2.2 Serial Number

2.2.1 Location

2.2.2 Serial Number Label

2.2.2.1 120V Version Serial Number

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Cat #: SD-III-120, SHUR/*Dry* Slide Dryer

Serial #: _____

Power Requirements: 110-120V, 6.2A, 50/60Hz

2.2.2.2 220V version Serial Number

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CE Cat #: SD-III-220, SHUR/*Dry* Slide Dryer

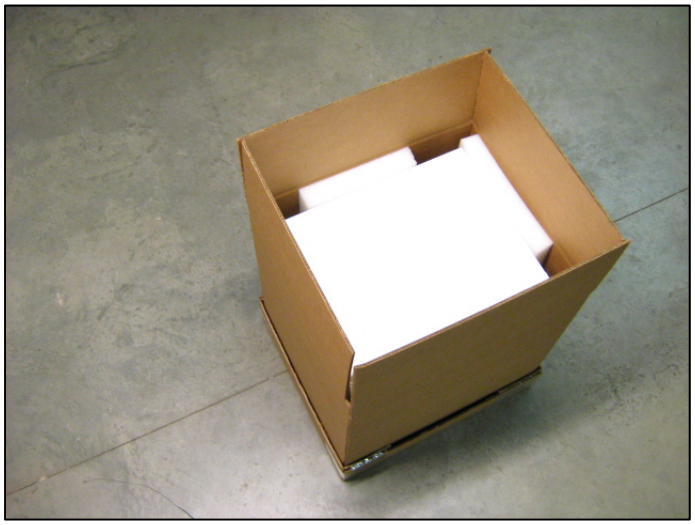
Serial #: _____

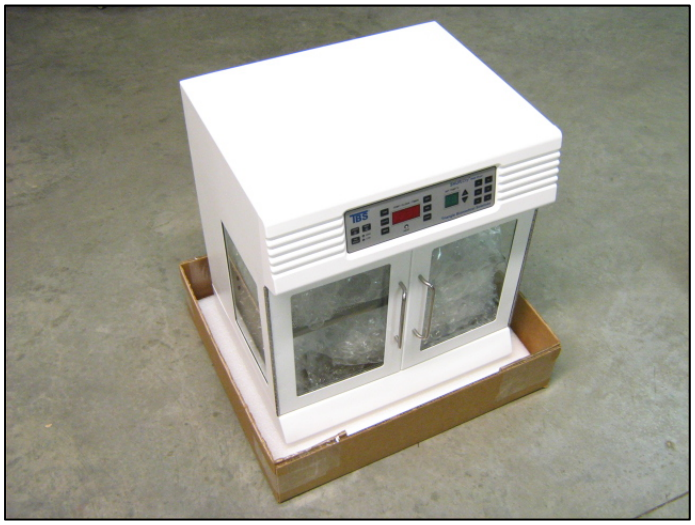
Power Requirements: 220-240V, 3A, 50/60Hz

3.0 SETUP and INSTALLATION

3.1 Step 1

3.1.1 Remove Sloped Front Fume Hood From Packaging





3.2 Step 2

3.2.1 Install the Power Cord

3.2.1.1 Ensure Power Switch is in “OFF” position.

3.3 Step 3

3.3.1 Turn the Power on.

3.3.2 When powering on, Unit Firmware type is displayed.

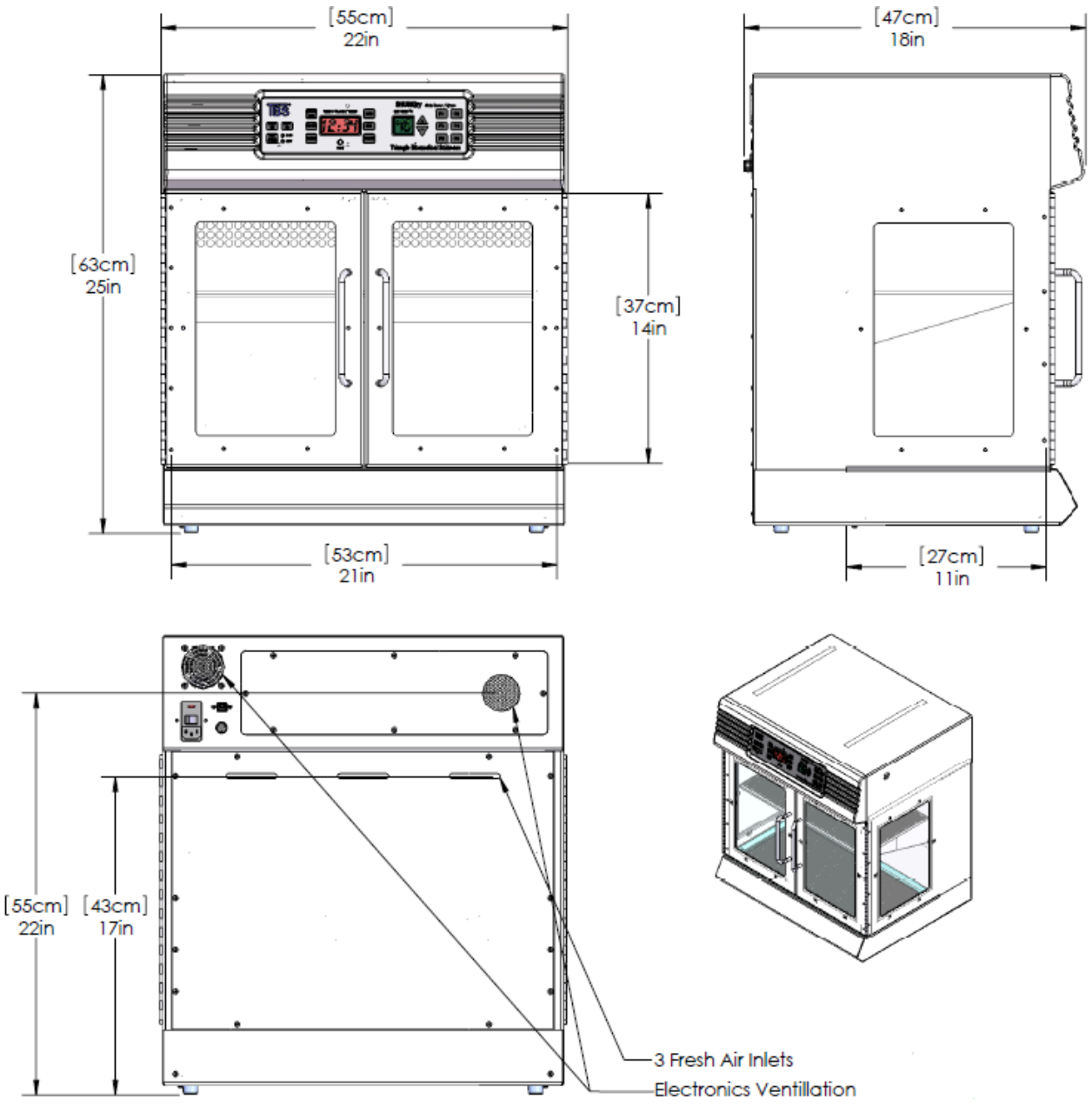
3.3.3 When powering on, Firmware version is displayed.

3.4 Push Doors to Open

4.0 SPECIFICATIONS

4.1 SC-36S-X or -F

4.1.1 Specifications Illustration

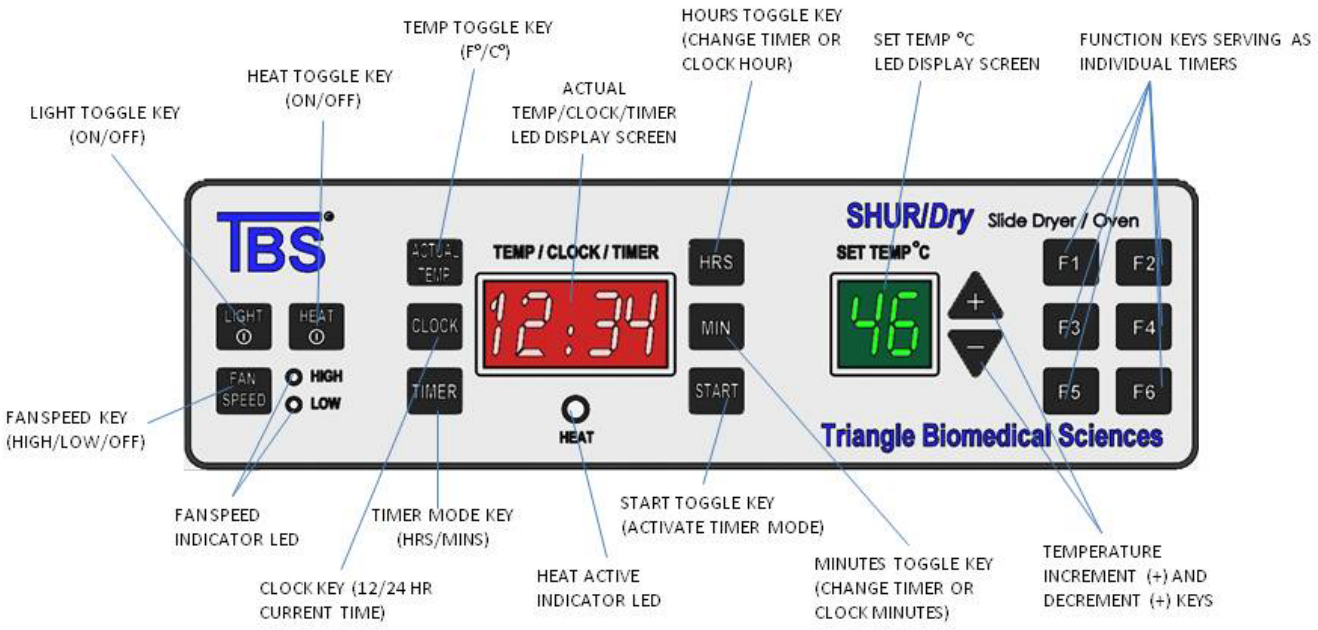


4.1.2 Specifications Table

CAT#	SD-III-120 OR -220
DESCRIPTION	Slide Dryer
EXTERNAL DIMENSIONS	25x21x18 inches
	63x53x47 cm
INTERNAL DIMENSIONS	14x21x11 inches
	37x53x27 cm
EXTERNAL DIMENSIONS	Slide Dryer, Convection Oven
AIR MOVERS	4 Internal 3,200 RPM Fans (51cfm ea.)
HEATER	1 x 18 inch 700W Heat Strip
	Min Temperature: Ambient
	Max Temperature: 75°C
120V Current (SC-III-120)	6.7 Amps, 8 Amp fuse
220V Current (SC-III-220)	3.3 Amps, 4 Amp fuse
Weight	82 lb (37 kg)
Packaged Shipping Weight	126 lb (57 kg)
IMPORTANT NOTES	Adjustable Height Shelving, Glass Windows
	Decimal dimensions have been rounded off to the nearest integer.
	Rubber Feet
	Battery Powered Clock Backup

5.0 OPERATING INSTRUCTIONS

5.1 Control Panel Key Descriptions



5.1.1 Clock

This button changes the 4 digit display to now show the current time. When the clock is being displayed, the period between the hours and minutes digits will be on (no blinking).

5.1.2 TEMP/CLOCK/TIMER Display Screen

Displays the clock time, temperature, or timer value depending on the current mode.

5.1.3 CLOCK/TEMP/TIMER Setting Keys

Pressing the "+" button increases the **HRS** or **MIN** and pressing the "-" button decreases the **HRS** or **MIN** of the time.

5.1.4 FAN

Press this button to turn the fan on high, low and off.

5.1.5 MIN

This button places the unit into a set mode. If the clock is currently being displayed, it causes the minute LED to blink indicating to the user that they may now set the minutes. The minutes are then set with the + and – keys on the far right. The set mode will exit if any key other than the + or – key are depressed. The same is true when setting the TIMER or individual timers F1-F6.

5.1.6 HRS

This button places the unit into a set mode. If the clock is currently being displayed, it causes the hour's button to blink indicating to the user that they may now set the hours. The hours is then set with the + and – keys on the far right. The set mode will exit if any key other than the + or – key are depressed. The same is true when setting the TIMER or individual timers F1-F6.

5.1.7 HEAT LED (RED LED)

These LEDs indicates that the heater is ON. The LED blinks when the heater is working to reach the set temperature.

5.1.8 LIGHT

This button activates the fluorescent tube light.

5.1.9 START

This button starts the TIMER.

5.2 Typical Use Instructions

5.2.1 Setting Clock Time

Utilize **CLOCK** button to display time in **CLOCK/FILTER LIFE** window. Press **HRS** button then utilize +/- buttons to increase/decrease hour setting. Press **MIN** button to utilize +/- buttons to increase/decrease minute setting. Depress **CLOCK** button once to display time in 12 hour format, twice to display time in 24 hour format. A colon will blink in 1 second increments when clock is being displayed.

5.2.2 Operating TIMER

Press TIMER button to display the timer. The readout is in hours and minutes. The hours and minutes are adjusted by pressing the HRS or MIN buttons and using the +/- buttons to increase/decrease the values. The START button is used to start the timer. The HEAT button interrupts the timer and resets it to the set value. The bottom decimal, separating the hours and minutes LED segments, blinks when the timer is running.

5.2.3 Function Key Operation (F1-F6)

The function keys currently serve as individual timers in addition to the main TIMER. These timers default to the main TIMER setting value. Press and hold the function key in order to start the timer. Quick press a function key to display the time remaining on the individual timer. Press and hold the function key in order to interrupt and reset the timer. Press the function key to stop the alarm when the timer expires. In addition to the alarm, values T1-T6 are momentarily displayed in the Temperature LED to indicate to the user which timer has expired.

6.0 MAINTENANCE

6.1 Cleaning

6.1.1 Remove Tray

6.1.2 Remove Baffles

6.1.3 Remove Base Pan

6.1.4 Clean Components and SD III Base Surface

6.2 FUSE REPLACEMENT

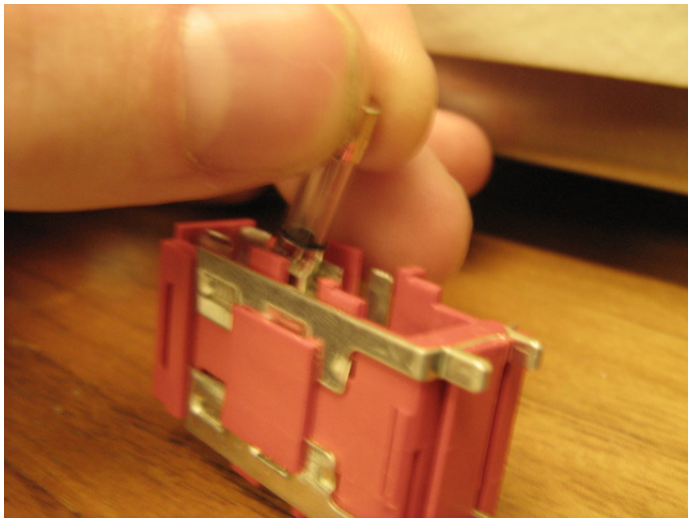
6.2.1 Fuse may need to be replaced if unit does not power up.

6.2.2 See Specifications Sheet for fuse specifications.

6.2.3 Open Fuse Cover On Power Entry Module

6.2.4 Gently Remove the Fuse Housing

6.2.5 Gently Remove Two Fuses From Fuse Housing



7.0 WARNING

7.1 Sharp Edges

7.1.1 **Take care to exercise caution when performing maintenance. Protect yourself against edges on internal components such as the Particulate Filter Housing.**

7.2 Electric Shock

7.2.1 **Make sure the instrument is not plugged in to a power source when performing maintenance. Do not touch internal wiring or electronics.**