

THE FLURRY™

A timed microplate mixer



Operating Instructions

STOVALL LIFE SCIENCE
INCORPORATED

Pragmatic tools for able minds™

The Flurry™ mixer has been optimized for use with almost any microplate, regardless of type or material of construction. The orbit of motion and the speed have been optimized to achieve consistent mixing within all microplate wells.

OPERATING INSTRUCTIONS

1. Plug the line cord into a properly grounded electrical outlet. (120 VAC for the SI-0400 model; 230 VAC for the SI-0401 models; 100 VAC for the SI-0405 model)
2. ① Place the microplate into The Flurry™. Tip the microplate slightly down to the left and back, and bank the corner into the two rubber bumpers. It is not necessary to tilt the plate excessively.
② Push the plate the rest of the way down onto the top of The Flurry™ and release. The right side of the microplate will be held in place by the beveled edge on the right side.



3. The Flurry mixer has the following modes of operation:

A. Timed Mode – (1 to 60 minutes)

The Timed Mode allows for unattended operation that is timed from 1 to 60 minutes. To initiate timed operating mode, with the microplate in place, set the 1 to 60 minutes timer (gray knob and gray scale) to the desired run time. The Flurry™ is OFF until the push-button is depressed and then released. This will start the mixing action of the mixer. The mixer will run until the set time has elapsed. If for any reason you wish to stop the mixing action before the set time has elapsed, simply depress the push-button for a second time and release. The mixer will stop. Depressing the push-button a third time will initiate a completely new timed cycle.

B. Continuous Mode

The continuous mode allows for unattended operation that will continue indefinitely until you stop the run by depressing the push-button switch. To initiate Continuous Mode, turn the gray timer knob fully counter-clockwise until you feel the “click” and the knob is in the detent “TIMER OFF” (continuous mode) position. Next, depress the push-button switch and release. The mixer will start and continue to run, unattended, until you once again depress the push-button switch and release. If you wish to restart the mixer once again, simply depress the push-button switch for a moment and release.

Note: The speed control switch should be set between positions 3 and 10 to enable the mixing action to start. After the action has started, you may, if desired, reduce the speed below position 3 for the duration of the run. Before re-starting the mixer, re-set the speed control to a setting higher than position 3.

4. With prolonged use, Flurry™ may become warm to the touch. It should not get HOT to the touch. The motor (UL listed) will radiate a certain amount of heat that will be dissipated by the fan in the bottom of the unit.

Heat will not be transferred to your microplates. The fan (located in the bottom of the unit) directs air downward and out of the unit. As a result, room air is constantly drawn into the unit underneath the tray that holds the microplates, insuring that samples will not be heated.

- ▲ **CAUTION!** Do not lift The Flurry™ by the tray.
- ▲ **CAUTION!** Failure to follow these operating instructions can compromise the user's safety.

Care and Handling

The mixer should be given care normally required for any electrical appliance. Avoid wetting or unnecessary exposure to fumes. The finish can be washed with water (after unplugging) and soap or detergents, using a cloth or sponge. Keep the unit clean by immediately blotting any spills.

- ▲ **CAUTION!** Unplug from power before cleaning. Do not immerse.
- ▲ **CAUTION!** Do not use The Flurry™ in hazardous atmospheres or with hazardous materials.
- ▲ **CAUTION!** Do not use Flurry™ to mix flammable materials.



ETL Listed
Conforms to UL Std. 3101-1
Certified to CAN/CSA C22.2



SPECIFICATIONS

The Flurry™ mixer is classified as "Installation Category 2" Environmental: 0oC- 38oC (32oF – 100oF), 95% Humidity max.

MODEL	POWER	REQUIRED AMPS
SI-0400	120V/60Hz	0.65
SI-0401	230V/50Hz	0.5
SI-0405	100V/50-60Hz	1.0

Speed:	<i>Approx. 750-3200rpm (60Hz) Approx. 750-2700rpm (50hz)</i>
Time:	<i>1-60 min. or continuous</i>
Vortexing Orbit:	<i>1.0 mm diameter</i>
Maximum Load:	<i>0.5 Kg (1.1 lb.)</i>
Weight:	<i>2.6 Kg (5.7 lb)</i>
Shipping Weight:	<i>3.2 Kg (7.0 lbs.)</i>
Dimensions:	<i>(D x W x H) 6.5 x 7.0 x 5.5 in.</i>

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