

# MatriCal Squirt



Manufacturer: MatriCal Bioscience  
 Model Number: MatriCal-Squirt  
 Web Address: [www.matrical.com](http://www.matrical.com)

The Squirt multi-format microplate washer is designed for reliability and can be used as a bench top device or in integrated robotic systems. Squirt microplate washers can wash any 96, 384, 1536 or 3456 well SBS formatted plate without manifold exchange or adjustments at speeds up to three wash/dry cycles per 15 seconds.

## Microplate Washer: Commands

▶ **SetWashParameters( squirtQty, dryQty, extraDryQty, cycleQty, squirtSpeed, drySpeed, extraDrySpeed, dryPressure, squirtPressure, media, extraDryPressure )** - Set the settings for the wash parameters.

squirtQty	Integer	Number of squirts (dispenses). Range of values: 0 to 5.
dryQty	Integer	Number of dries after each squirt. Range of values: 0 to 5.
extraDryQty	Integer	Number of extra dries. Range of values: 0 to 5.
cycleQty	Integer	Number of squirt/dry cycles. Range of values: 1 to 5.
squirtSpeed	Integer	Speed of squirts. Range of values: 1 to 5.
drySpeed	Integer	Speed of dries. Range of values: 1 to 5.
extraDrySpeed	Integer	Speed of extra dries. Range of values: 1 to 5.
dryPressure	Integer	Pressure at which to dry. Range of values: 1 to 20.
squirtPressure	Integer	Pressure at which to squirt. Range of values: 1 to 20.
media	Integer	Specifies which media bottle to use. Range of values: 1 to 4.
extraDryPressure	Integer	Pressure at which to extra dry. Range of values: 1 to 20.

▶ **GetSquirtStatus( bit )** - Poll the status register of the Squirt washer to determine the current operating status.

bit	Integer	Specified bit of the status register. 0: Ready to run, 1: Not used, 2: Running, 3: Capturing plate, 4: Squirring, 5: Drying, 6: Presenting plate, 7: Finished properly, 8: Motors are homing, 9: Interrupted, 10: Nest occupied, 11: Interrupted - nozzle move stopped, 12: Not used, 13: Not used, 14: Interrupted - failed to home, 15: Interrupted - wash program was stopped, 16: Not used, 17: Not used, 18: Not used, 19: Not used, 20: Not used, 21: Purged, 22: Not used, 23: Not used. Range of values: 0 to 23.
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▶ **StartWashProgram( )** - Start the wash program.

▶ **ResetSquirt( )** - Reset the Squirt and set ready to run.

▶ **HaltSquirt( )** - Immediately halt action by the Squirt.

▶ **PrimeSquirt( )** - Force wash fluid through the tubing and wash nozzle to either prime the nozzle or to change wash buffers.

▶ **GetError( code )** - Decode an error code into a string.

code	Integer	Error code.
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## Washer Error

🔥 **WasherError( number, description )** - An error occurred during command execution.

number	Integer	Number of the error.
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description	String	Description of the error.
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