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Preparation, Separation,
Filtration & Monitoring Products

MERCK

Thorough Washing. Consistent Performance.

BioTek® 405™TSUVS Plate Washer for the SMC™ Platform

Ensuring consistent performance of your SMC™ assays using a plate washer specifically designed for use with SMC™ technology.

When counting at the single molecule level, it is critical to ensure reliable assay performance. For SMC™ assays, one vital consideration is to ensure thorough bead washing during key stages of the workflow. The BioTek® 405™TSUVS Plate washer for the SMC™ platform has been specifically modified with a custom magnetic plate and SMC™ specific wash procedures to improve assay performance by preventing bead loss and ensuring consistency between wells.

The BioTek® 405™TSUVS Magnetic 96-well Washer for the SMC™ platform includes:

- All the standard features of the BioTek® 405™ TS Magnetic 96-well Washer
- Customized plate washing protocols designed to optimize performance and prevent bead loss for SMC™ workflows
- A custom magnetic plate uniquely manufactured for SMC™ assays
- A vacuum regulator designed for use on SMC™ assays
- Bottle kit

Features and Benefits

In addition to the unique features of the SMC™ washer design, this plate washer has the same features available on the standard BioTek® 405™TSUVS Washer, a globally recognized standard for microplate washers. This includes unique features designed to wash microsphere-based assays efficiently and effectively with outstanding results for every application.



Adjustable Settings

Angled dispense tubes and adjustable dispense and aspiration rate settings to optimize washing.

Self-Maintaining Design

A patented ultrasonic bath enables the instrument to automatically clean buildup in the manifold preventing manifold tube clogs.

Flexibility

Allows for washing of both 96- and 384-well plates. Also includes automated internal buffer switching from up to 4 different buffer bottles.

Adaptable for Use with Luminex® Assays

The washer is easily adaptable for use with Luminex® bead-based assays. By exchanging the magnetic plate on the SMC™ washer with a Dexter 96F magnet available from BioTek® products (part# 7103016), as well as the addition of washing protocols, the washer can easily be used for other types of assays with no physical adjustments to the washer required.

Use with the SMC™ Plate Washer Evaluation Kit

Utilize our unique plate washer evaluation kit to ensure optimal performance of your washer before running any precious samples.

Ordering Information

Product Description	Cat. No.
BioTek® 405™TSUVS Plate Washer for the SMC™ Platform	95-0004-05
SMC™ Plate Washer Evaluation Kit	03-0165-00

For Research Use Only. Not For Use In Diagnostic Procedures.

To learn more about SMC™ technology, visit SigmaAldrich.com/smc

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