



## AutoMate™-Q40

### Automated QuEChERS Platform

The AutoMate-Q40 is a revolutionary system specifically designed and optimized to automate the QuEChERS sample preparation workflow.

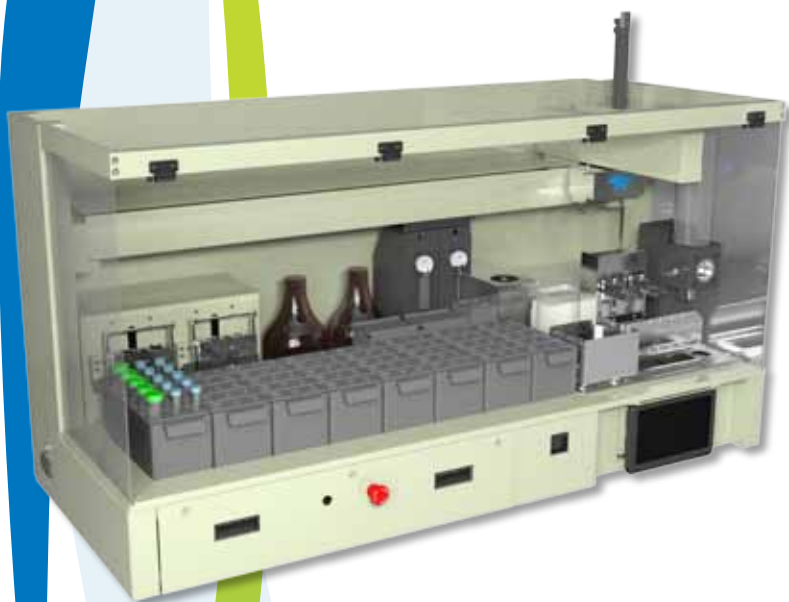
The system is configured 'out of the box' to conduct two of the most popular QuEChERS sample preparation methods:

- AOAC 2007.01 (Pesticide Residues in Food by Acetonitrile Extraction and Partitioning with Magnesium Sulfate)
- EN 15662.2008 (Foods of Plant Origin—Determination of Pesticide Residues Using GC-MS and/or LC-MS/MS Following Acetonitrile Extraction/Partitioning and Clean-up by Dispersive SPE—QuEChERS Method)

The AutoMate-Q40 incorporates a unique, innovative technology called **VialVision™** (*patent pending*) that is able to reliably identify liquid levels, differentiate between multiple aqueous layers within a vial and then calculate their associated volumes.

#### AutoMate™-Q40 Features:

- Enable you to achieve improved precision and accuracy for the QuEChERS sample preparation methods being conducted
- Ability to add sample capacity to your lab without adding staff or paying overtime
- Reduce the impact your lab operation currently has on the environment
- Improve workplace safety



To watch the AutoMate-Q40 in action and learn more about this system, please visit [www.teledynetekmar.com/AutoMateQ40](http://www.teledynetekmar.com/AutoMateQ40).

For more information, please contact us at 513-229-7000.

# Automating Sample Prep Functions



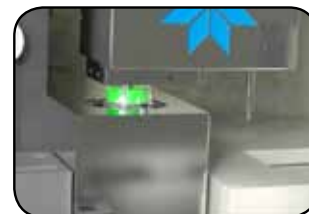
Preparing the Sample



Adding Solvent/Standard



Salt/Buffer Addition



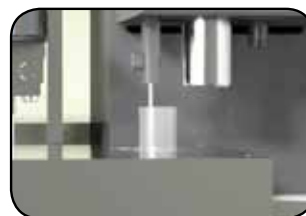
Centrifuge and VialVision™



Pipetting for dSPE Clean-up



Mixing the dSPE Vial



Preserving Final Extract

## Preparing the Sample

- Loading Sample and entering method/scheduling
- TekTouch with touch screen capabilities
- Electronic Record Retention

## Adding Solvent and Standard

- Adding solvents and standards
- Vortexing

## Salt/Buffer Addition

- Adding Salt/Buffer

## Centrifuge and Vial Vision

- Track samples with Bar coding
- Accurate reading of liquid levels and intelligent feedback to ensure method integrity

## Pipetting for dSPE Clean-up

- Transferring of extract

## Mixing, Centrifuging and Vial Visioning dSPE Vial

## Preserving Final Extract

- Reporting of final volume for multiple extract calculations
- Adding preservation agent



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