



# Maxwell<sup>®</sup> RSC System

*Next Generation  
Automated Purification  
and Quantitation*





## The Maxwell<sup>®</sup> RSC System

Your personal purification assistant. It easily integrates into any laboratory workflow, and its compact size minimizes the impact on precious laboratory space.

*Enhance your workflow efficiency through reliable automation and integrated quantitation.*

### Reliable

Maxwell<sup>®</sup> RSC uses prefilled cartridges and preprogrammed methods to reduce the potential for user error. The purified samples are compatible with a wide range of downstream applications such as Sanger and Next Generation Sequencing (NGS), arrays and digital PCR.

### Flexible

The Maxwell<sup>®</sup> RSC works with a variety of sample types, including human blood, cells and tissues. The protocols are fast and easy, and you can process anywhere from 1 to 16 samples simultaneously.

### Intuitive

Maxwell<sup>®</sup> RSC software is so easy to use and intuitive that you'll be able to set up and perform your first run in a matter of minutes after initial instrument setup.



### Efficient

Automating nucleic acid extraction frees up your time. The integrated quantitation eliminates the need to re-enter sample IDs and creates a streamlined, simple sample tracking report that easily exports to your laboratory notebook.

### Supported

The Maxwell<sup>®</sup> RSC is backed by a comprehensive one year standard warranty and our expert service team and a full line of additional service products.





Promega



## Reliable

The Maxwell® RSC System is designed to be extremely reliable and consistently produce high-quality nucleic acids.

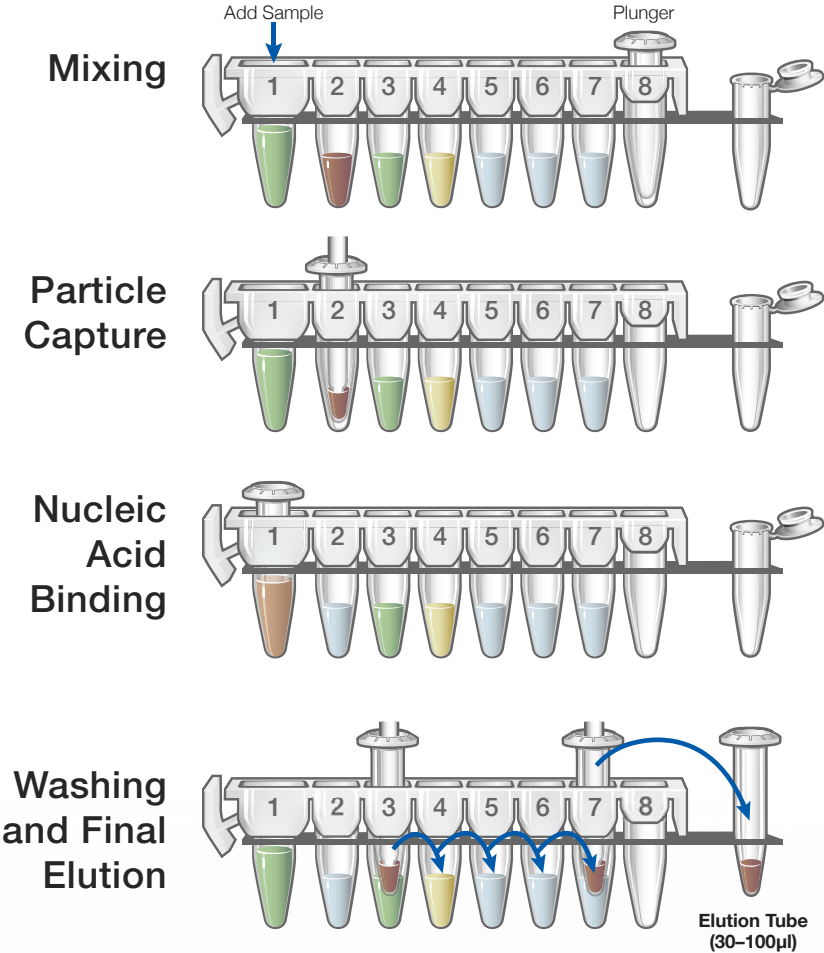
### Paramagnetic Particle Mover

The Maxwell® RSC System starts with cartridges prefilled with reagents and paramagnetic particles, ready for your samples. After sample addition, the Maxwell® RSC moves the paramagnetic particles and associated nucleic acids through multiple steps ultimately yielding highly pure RNA or DNA in 30–100µl.

Because the Maxwell® RSC is not a liquid handler like many other automated systems, there are additional benefits:

- **No drips:** No detectable cross contamination.
- **No clogs and fewer breakdowns:** Fewer interruptions to your workflow and improved efficiency.

# Paramagnetic Particle Workflow



A magnetic bar assembly covered by a plastic sheath (plunger), moves the paramagnetic particles from well to well eliminating clogs, breakdowns and cross contamination.

## Flexible

Purify DNA or RNA from a variety of different sample types with optimized purification kits—all on one instrument.

### gDNA Kits

KIT	SAMPLE TYPE
Maxwell® RSC Blood DNA Kit	Whole blood
Maxwell® RSC Cell DNA Kit	Fresh or frozen cells
Maxwell® Viral Total Nucleic Acid Purification Kit	Serum or plasma

### Total RNA Kits

KIT	SAMPLE TYPE
Maxwell® RSC simplyRNA Tissue Kit	Fresh or frozen tissue
Maxwell® RSC simplyRNA Cells Kit	Fresh or frozen cells
Maxwell® RSC simplyRNA Blood Kit	Whole blood

If you don't see the kit you want, we could be developing it right now. Contact your local Promega Representative for the most up to date information. We can also develop a customized protocol based on existing kits to meet your specific requirements.



## Intuitive

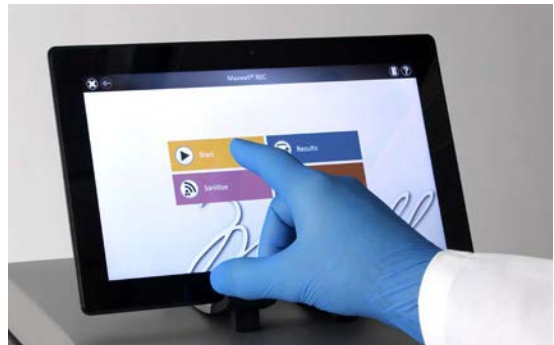
The Maxwell® RSC is easy-to-use, walk-away purification at your fingertips.

### Intuitive Software Interface

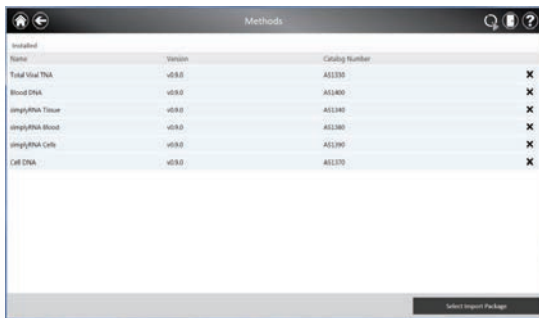
Using the touch screen interface, you can select kit methods and integrate Quantus™ Fluorometer quantitation data into your run reports.



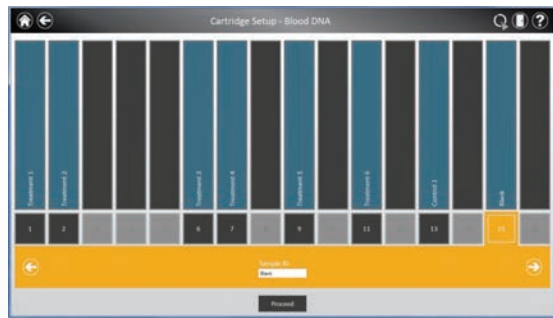
Prepare your sample, add it to a cartridge and load it into the Maxwell® RSC.



Select Start.



Select your method and run it.



After the run is complete, simply select a sample and quantitate it using the integrated Quantus™ Fluorometer.



## Efficient

Automated purification saves you time and integrated quantitation means all your results are kept together.

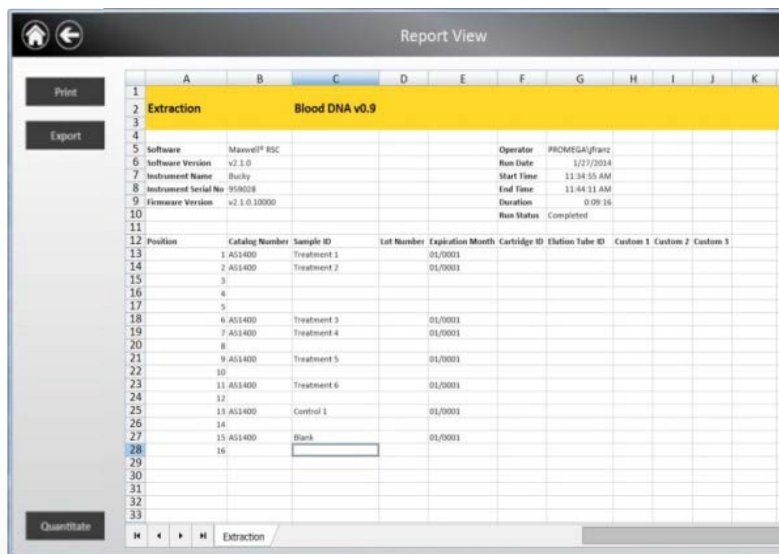
### Quickly Process Your Samples

Preprogrammed methods and prefilled reagent cartridges mean your samples can be processed more quickly, helping you get more done.

### Easily Quantify Your Results

Quantitation is easy with the included Quantus™ Fluorometer and the QuantiFluor® Dyes. Simply mix and measure.

When you are finished running your samples, you can view all the results in the reports screen.



Position	Catalog Number	Sample ID	Lot Number	Expiration Month	Cartridge ID	Elution Tube ID	Custom 1	Custom 2	Custom 3
1	AS1400	Treatment 1		01/0001					
2	AS1400	Treatment 2		01/0001					
3									
4									
5	AS1400	Treatment 3		01/0001					
6	AS1400	Treatment 4		01/0001					
7									
8	AS1400	Treatment 5		01/0001					
9									
10	AS1400	Treatment 6		01/0001					
11									
12									
13	AS1400	Control 1		01/0001					
14									
15	AS1400	Blank		01/0001					
16									

Report screen.



## Supported

The Maxwell® RSC is backed by a comprehensive standard warranty, expert service and a full line of additional service products.

With a comprehensive menu of service and support options, you can be confident that your equipment will be working properly and ready when you need it.

Installation Qualification (IQ) and Operational Qualification (OQ) services ensure that your instrument is fully functional and provide documentation that the instrument is operating to defined specifications.

## Available Service Options

SERVICE AGREEMENT	CAT#
Maxwell® RSC Premier Warranty Upgrade	SA1341
Maxwell® RSC Standard Service Agreement	SA1342
Maxwell® RSC Premier Service Agreement	SA1343
Maxwell® RSC Preventive Maintenance	SA1346
Maxwell® RSC Installation Qualification	SA1347
Maxwell® RSC Operational Qualification	SA1348
Maxwell® RSC IQ/OQ Combination Package	SA1349

SERVICE AGREEMENT BENEFIT	STANDARD	PREMIER
Period	Renewable annually	Renewable annually
Parts and Labor	Yes	Yes
Shipping	Yes	Yes
Loaner Instrument	Yes, 5–7 business days	Yes, 24 hours*
Field Support	No	Yes, 48 hours*
Annual Preventive Maintenance	No	Yes, 1 per 12 months

*Our standard and premier service packages allow you to choose your level of support after the warranty period expires.*

\*Where available

## Ordering Information

Maxwell® RSC System	Cat.# AS4500
Maxwell® Viral Total Nucleic Acid Purification Kit	Cat.# AS1330
Maxwell® RSC Blood DNA Kit	Cat.# AS1400
Maxwell® RSC Cell DNA Kit	Cat.# AS1370
Maxwell® RSC simplyRNA Tissue Kit	Cat.# AS1340
Maxwell® RSC simplyRNA Cells Kit	Cat.# AS1390
Maxwell® RSC simplyRNA Blood Kit	Cat.# AS1380
Maxwell® Instrument Bar Code Reader	Cat.# AS3200

For Research Use Only. Not for Use in Diagnostic Procedures.

## Related Products

QuantiFluor® dsDNA	Cat.# E2670
QuantiFluor® ONE dsDNA	Cat.# E4871
QuantiFluor® ssDNA	Cat.# E3190
QuantiFluor® RNA	Cat.# E3310

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