

# Maxwell<sup>®</sup> RSC Instruments

*Integrated Purification  
and Quantitation*



Maxwell



# The Maxwell® RSC System

Your personal purification assistant. Maxwell® RSC Instruments easily integrate into any laboratory workflow, and their compact size minimizes the impact on precious laboratory space. Choose an instrument to suit your laboratory throughput needs. Automatically process 1–16 samples with the Maxwell® RSC or increase your capacity with the Maxwell® RSC 48 and process 1–48 samples.

## Reliable

The Maxwell® RSC Instruments use prefilled cartridges and preprogrammed methods to reduce the potential for user error. The Maxwell® RSC 48 utilizes an integrated vision system to verify correct deck tray set up prior to a run, further ensuring error free operation. 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® RSC Instruments work 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 (Maxwell® RSC) or 1–48 samples (Maxwell® RSC 48) simultaneously.

## Intuitive

Maxwell® 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® RSC instruments are backed by a comprehensive one year standard warranty, our expert service team and a full line of additional service products.







## Reliable

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

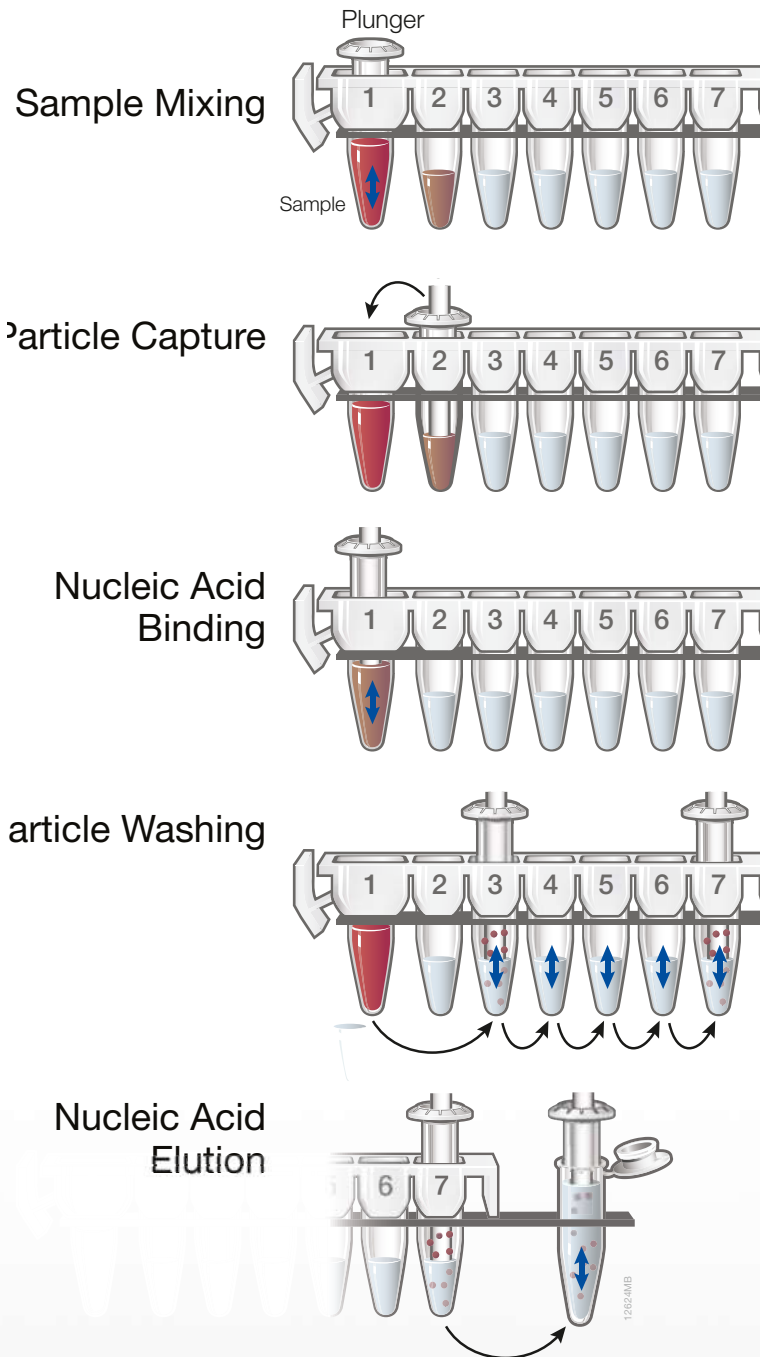
### Paramagnetic Particle Mover

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 Instruments are not liquid handlers 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	CAT.#
Maxwell® RSC Buffy Coat DNA	Buffy coat	AS1540
Maxwell® RSC FFPE Plus DNA	FFPE tissue	AS1720
Maxwell® RSC ccfDNA Plasma	Plasma	AS1480
Maxwell® RSC Cell DNA	Fresh or frozen cells	AS1370
Maxwell® RSC Cultured Cells DNA	Fresh or frozen cells	AS1620
Maxwell® RSC DNA FFPE	Tissue	AS1450
Maxwell® RSC Viral Total Nucleic Acid	Serum or plasma	AS1330
Maxwell® RSC Whole Blood DNA	Whole blood	AS1520

### Total RNA Kits

KIT	SAMPLE TYPE	CAT.#
Maxwell® RSC miRNA Tissue	Fresh or frozen tissue	AS1460
Maxwell® RSC miRNA Plasma and Serum	Plasma, serum or enriched exosomes	AS1680
Maxwell® RSC Plant RNA	Fresh or frozen plant tissue	AS1500
Maxwell® RSC RNA FFPE	FFPE tissue	AS1460
Maxwell® RSC simplyRNA Blood	Whole blood	AS1380
Maxwell® RSC simplyRNA Cells	Fresh or frozen cells	AS1390
Maxwell® RSC simplyRNA Tissue	Fresh or frozen tissue	AS1340
Maxwell® RSC Viral Total Nucleic Acid	Serum or plasma	AS1330

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

Maxwell® RSC Instruments are easy-to-use, with 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									
6	AS1400	Treatment 3		01/0001					
7	AS1400	Treatment 4		01/0001					
8									
9	AS1400	Treatment 5		01/0001					
10									
11	AS1400	Treatment 6		01/0001					
12									
13	AS1400	Control 1		01/0001					
14									
15	AS1400	Blank		01/0001					
16									
17									
18									

Report screen.







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**Maxwell® RSC simplyRNA Cells**

Upon receipt, store A2088 at +2° to +10°C

REF: AS1390 LOT: 089923

+10°C +20°C 2017-01

Country of Origin: USA For in vitro Research Use Only

ADAS1390 0899235 FEEL HERE

omega

*Maxwell*

[promega.com](http://promega.com)

08-277-2516

## Supported

The Maxwell® RSC instruments are 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	MAXWELL® RSC CAT.#	MAXWELL® RSC 48 CAT.#
Premier Warranty Upgrade	SA1341	SA1351
Standard Service Agreement	SA1342	SA1352
Premier Service Agreement	SA1343	SA1353
Preventive Maintenance	SA1346	SA1356
Installation Qualification	SA1347	SA1358
Operational Qualification	SA1348	SA1358
IQ/OQ Combination Package	SA1349	SA1359

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

Product	Cat.#
Maxwell® RSC Instrument	AS4500
Maxwell® RSC 48 Instrument	AS8500
Maxwell® Viral Total Nucleic Acid Purification Kit**	AS1330
Maxwell® RSC Blood DNA Kit**	AS1400
Maxwell® RSC Cell DNA Kit	AS1370
Maxwell® RSC simplyRNA Tissue Kit**	AS1340
Maxwell® RSC simplyRNA Cells Kit**	AS1390
Maxwell® RSC simplyRNA Blood Kit**	AS1380
Maxwell® RSC miRNA Tissue Kit**	AS1460
Maxwell® RSC ccfDNA Plasma Kit**	AS1480
Maxwell® RSC Whole Blood DNA Kit**	AS1520
Maxwell® RSC Buffy Coat Kit	AS1540
Maxwell® RSC Plant DNA Kit	AS1490
Maxwell® RSC Plant RNA Kit	AS1500
Maxwell® RSC DNA FFPE Kit**	AS1450
Maxwell® RSC RNA FFPE Kit**	AS1440
Maxwell® Instrument Bar Code Reader*	AS3200
Maxwell® RSC PureFood GMO and Authentication Kit AS1600	AS1600
Maxwell® RSC Purefood Pathogen Kit	AS1660
Maxwell® RSC Cultured Cells DNA Kit	AS1620
Maxwell® RSC Stabilized Saliva DNA Kit	AS1630
Maxwell® RSC Buccal Swab DNA Kit	AS1640
Maxwell® RSC miRNA Tissue or Plasma and Serum Kit	AS1680

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

\*Included with Maxwell® RSC 48 Instrument

\*\*Works with Maxwell® RSC 48 Instrument

## Related Products

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

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For more information, visit: [www.promega.com/LearnMaxwellRSC](http://www.promega.com/LearnMaxwellRSC)