

# Maxwell<sup>®</sup> RSC Instruments

Benchtop Automated DNA & RNA Extraction  
from any Sample







# 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 1–16 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.

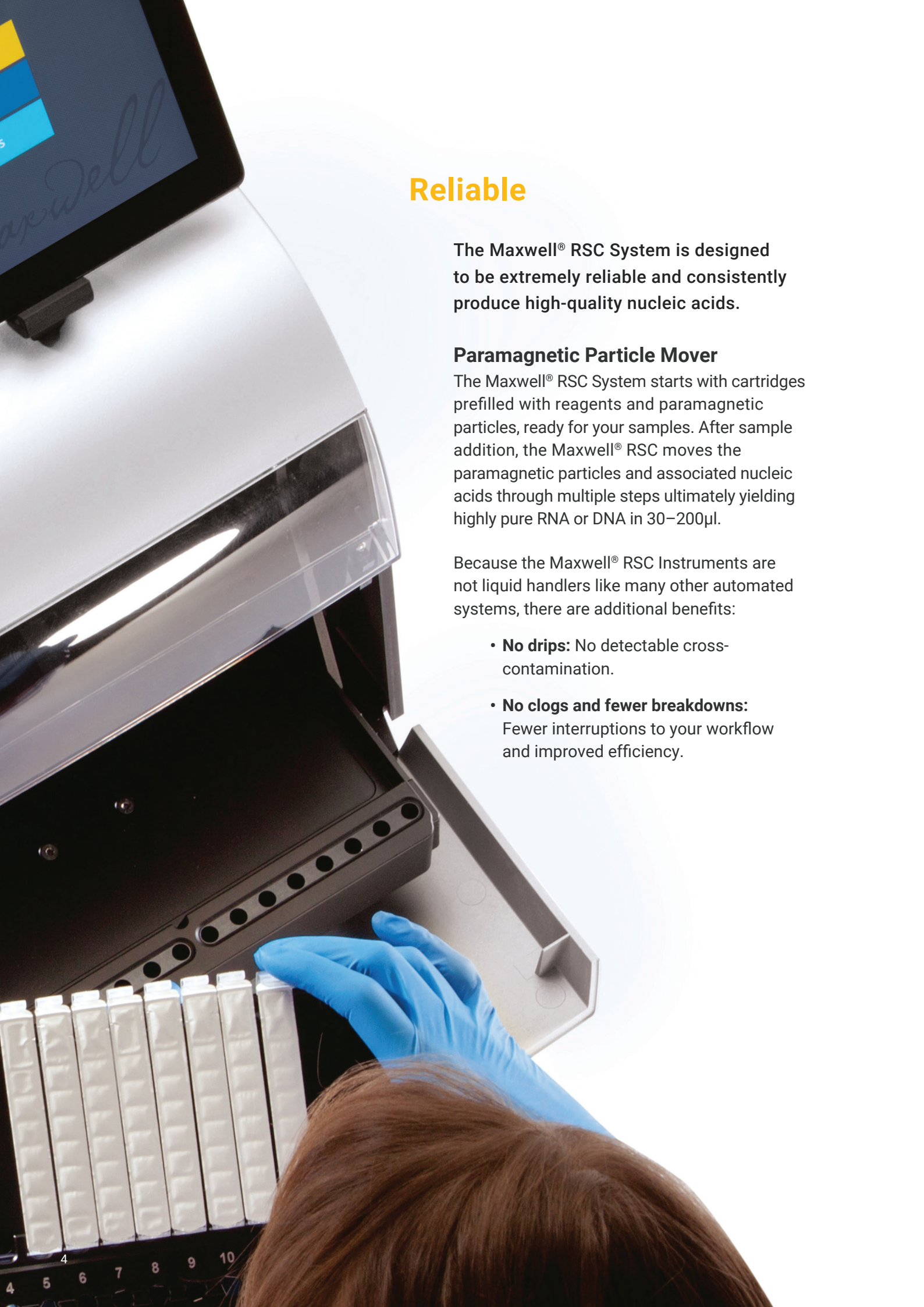
## Efficient

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 (see page 11).





## Reliable

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

### Paramagnetic Particle Mover

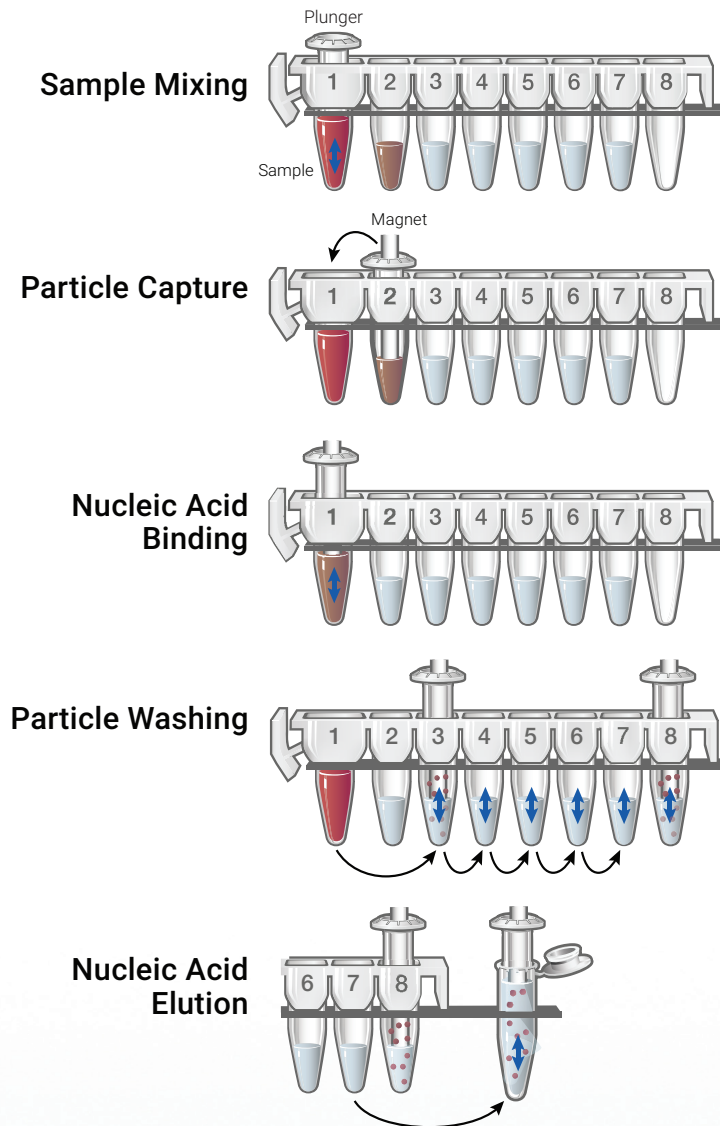
The Maxwell® RSC System starts with cartridges prefilled with reagents and paramagnetic particles, ready for your samples. After sample addition, the Maxwell® RSC moves the paramagnetic particles and associated nucleic acids through multiple steps ultimately yielding highly pure RNA or DNA in 30–200µl.

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.

### A Selection of DNA Kits

| KIT   | SAMPLE TYPE           | CAT.#  |
|---|-----------------------|--------|
| Maxwell® RSC Blood DNA                      | Whole blood           | AS1400 |
| Maxwell® RSC Buffy Coat DNA                 | Buffy coat            | AS1540 |
| Maxwell® RSC FFPE Plus DNA                  | FFPE tissue           | AS1720 |
| Maxwell® RSC ccfDNA Plasma                  | Plasma or urine       | AS1480 |
| Maxwell® RSC Cultured Cells DNA             | Fresh or frozen cells | AS1620 |
| Maxwell® RSC DNA FFPE                       | Tissue                | AS1450 |
| Maxwell® RSC Whole Blood DNA                | Whole blood           | AS1520 |
| Maxwell® RSC Plant DNA                      | Plant tissue          | AS1490 |
| Maxwell® RSC Pure Food GMO & Authentication | Food or seeds         | AS1600 |
| Maxwell® RSC Tissue DNA                     | Tissue                | AS1610 |
| Maxwell® RSC Stabilized Saliva DNA          | Stabilized saliva     | AS1630 |
| Maxwell® RSC Buccal Swab DNA                | Buccal swabs          | AS1640 |
| Maxwell® RSC PureFood Pathogen              | Food                  | AS1660 |
| Maxwell® RSC Fecal Microbiome DNA           | Fecal samples         | AS1700 |
| Maxwell® RSC ccfDNA LV Plasma               | Plasma or urine       | AS1840 |
| Maxwell® RSC Genomic DNA                    | diverse               | AS1880 |

### A Selection of RNA Kits

| KIT                                 | SAMPLE TYPE                        | CAT.#  |
|-------------------------------------|------------------------------------|--------|
| 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                        | AS1440 |
| 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 |

### A Selection of TNA Kits

| KIT                                      | SAMPLE TYPE     | CAT.#  |
|--|-----------------|--------|
| Maxwell® RSC Viral Total Nucleic Acid    | Serum or plasma | AS1330 |
| Maxwell® RSC Pathogen Total Nucleic Acid | diverse         | AS1890 |
| Maxwell® RSC Enviro TNA                  | Wastewater      | AS1831 |

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

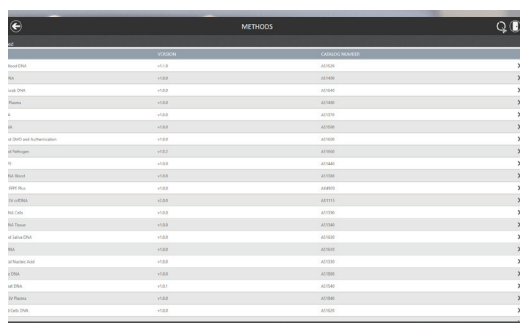
Using the touch screen interface, you can select kit methods and integrate Quantus™ Fluorometer quantitation data into your run reports.



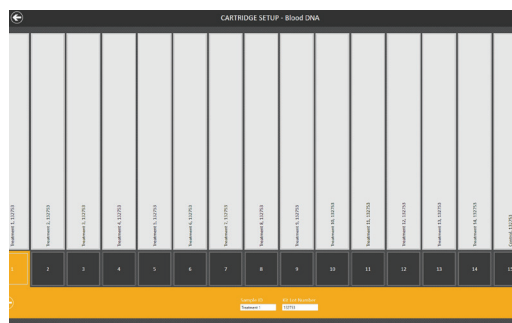
Prepare your sample, add it to a cartridge and load it into the Maxwell® RSC.



Select Start.



Select your method and run it.



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

## Versatile Instrument with an Easy-to-Use Interface

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

PRINT

EXPORT

QUANTITATE

REPORT VIEW

|    | A                           | B              | C            | D          | E                | F            | G               | H                | I       | J | K | L | M | N | O | P | Q | R | S | T | U |
|----|-----------------------------|----------------|--------------|------------|------------------|--------------|-----------------|------------------|---------|---|---|---|---|---|---|---|---|---|---|---|---|
| 1  | Extraction Blood DNA v1.0.1 |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 2  |                             |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 3  |                             |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 4  |                             |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 5  | Software                    | Maxwell® RSC   |              |            |                  |              | Operator        | PRIONEGAYerosman |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 6  | Software Version            | v3.0.4         |              |            |                  |              | Run Date        | 06.07.2023       |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 7  | Instrument Name             | Simulator      |              |            |                  |              | Start Time      | 12:30:27         |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 8  | Instrument Serial No        | 783777         |              |            |                  |              | End Time        | 12:55:00         |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 9  | Hardware Version            | v1.5.5.0       |              |            |                  |              | Duration        | 00:04:33         |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 10 |                             |                |              |            |                  |              | Run Status      | Completed        |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 11 |                             |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 12 | Position                    | Catalog Number | Sample ID    | Lot Number | Expiration Month | Cartridge ID | Elution Tube ID | Custom1          | Custom2 |   |   |   |   |   |   |   |   |   |   |   |   |
| 13 | 1                           | A51400         | Treatment 1  | 132753     | 2024-10          |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 14 | 2                           | A51400         | Treatment 2  | 132753     | 2024-10          |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 15 | 3                           | A51400         | Treatment 3  | 132753     | 2024-10          |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 16 | 4                           | A51400         | Treatment 4  | 132753     | 2024-10          |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 17 | 5                           | A51400         | Treatment 5  | 132753     | 2024-10          |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 18 | 6                           | A51400         | Treatment 6  | 132753     | 2024-10          |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 19 | 7                           | A51400         | Treatment 7  | 132753     | 2024-10          |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 20 | 8                           | A51400         | Treatment 8  | 132753     | 2024-10          |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 21 | 9                           | A51400         | Treatment 9  | 132753     | 2024-10          |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 22 | 10                          | A51400         | Treatment 10 | 132753     | 2024-10          |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 23 | 11                          | A51400         | Treatment 11 | 132753     | 2024-10          |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 24 | 12                          | A51400         | Treatment 12 | 132753     | 2024-10          |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 25 | 13                          | A51400         | Treatment 13 | 132753     | 2024-10          |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 26 | 14                          | A51400         | Treatment 14 | 132753     | 2024-10          |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 27 | 15                          | A51400         | Control      | 132753     | 2024-10          |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 28 | 16                          | A51400         | Blank        | 132753     | 2024-10          |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 29 |                             |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 30 |                             |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 31 |                             |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 32 |                             |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 33 |                             |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 34 |                             |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 35 |                             |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 36 |                             |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 37 |                             |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 38 |                             |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 39 |                             |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 40 |                             |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 41 |                             |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 42 |                             |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 43 |                             |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 44 |                             |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 45 |                             |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 46 |                             |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 47 |                             |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |
| 48 |                             |                |              |            |                  |              |                 |                  |         |   |   |   |   |   |   |   |   |   |   |   |   |

Report screen.









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SCAN  
HERE

simplyRNA



Danger

+2° to +10°C



LOT 089923

2023-01

Research Use Only



Promega Corporation  
2800 Woods Hollow Road  
Madison, WI 53721-5399 USA



10  
DAS1390 0899236

PEEL  
HERE



## 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, 48 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® Instrument Bar Code Reader* | AS3200 |
| Quantus™ Fluorometer**               | E6150  |
| QuantiFluor® dsDNA                   | E2670  |
| QuantiFluor® ONE dsDNA               | E4871  |
| QuantiFluor® ssDNA                   | E3190  |
| QuantiFluor® RNA                     | E3310  |

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

Products may be covered by pending or issued patents or may have certain limitations. Please visit our Web site for more information. Maxwell and QuantiFluor are registered trademarks of Promega Corporation. Quantus is a trademark of Promega Corporation.

\* Included with Maxwell® RSC 48 Instrument

\*\* Included with the Maxwell® RSC Instrument

For more information, visit:

[www.promega.com/maxwell-rsc](http://www.promega.com/maxwell-rsc)

[www.promega.com/maxwell-rsc-48](http://www.promega.com/maxwell-rsc-48)


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