



personal
EXTRACTION

Now, you can optimize your personal workflow. Promega instruments and reagents integrate easily.

Maxwell[®] 16

brings Personal Automation™ to the Research Lab.



Maxwell

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Promega

MAXWELL® 16 AUTOMATED NUCLEIC ACID AND PROTEIN EXTRACTION SYSTEM

OVERVIEW

Researchers are looking to improve productivity and advance their research. Automation allows scientists to focus on science instead of routine nucleic acid or recombinant protein purification. The Maxwell® 16 System offers automation and walk-away purification that saves time and labor by eliminating reagent preparation, pipetting and centrifugation steps. It allows you to extract DNA or protein from up to 16 samples in 30 – 45 minutes. The Maxwell® 16 System makes extraction fast and simple.

PERFORMANCE

The Maxwell® 16 System allows you to save time without sacrificing consistency and purity. With automation, you can get reproducible yields at the push of a button from every operator and from every sample. With Maxwell® 16, you can use a single system to purify DNA, RNA or protein from a broad range of sample types - from blood to mouse tails, and almost everything in between. Whatever your downstream assay, you can count on Maxwell® 16 to provide superior purity and yield giving you confidence in your result. In addition, the robust system design avoids common problems associated with other automated purification systems, such as clogged tips and partial reagent transfers. Most importantly, there is no detectable cross contamination between samples.

EASE OF USE

The Maxwell® 16 System provides everything you need for purification, including pre-filled reagent cartridges, specialized disposable plastics and easy-to-understand instructions. The automated system reduces the number of hands on steps and turn around time, increasing throughput. The Maxwell® 16 System speeds front-end processing, enabling you to do more tests, faster. And, the instrument is compact so it can fit into virtually any lab.

INSTRUMENT FEATURES

FAST EXTRACTION

The Maxwell® 16 System purifies samples in 30-45 minutes allowing you to focus on performing downstream applications.

SAMPLE SIZE

With two instrument formats, you can work with large or small samples: Standard Elution Volume (SEV)300-400ul or Low Elution Volume (LEV)50-100ul.

PARTICLE PROCESSOR

The Maxwell® 16 is a particle processor, not a liquid handler, so there are no clogs and no drips. Just consistent yield and purity with no human error. The unique design offers mixing, capture of paramagnetic particles, binding, then purification through a series of capture and release washes.

TRUSTED RESULTS

The Maxwell® 16 is proven with a variety of sample types, including blood, cell, and tissue, as well as a wide range of downstream applications.



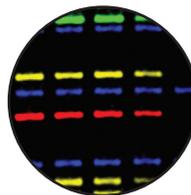
PURIFY FROM ALMOST ANYTHING

Change applications simply by changing cartridges that are readily available from Promega.

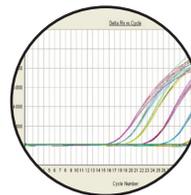
GROWING LIST OF PURIFICATION KITS

- Maxwell® 16 Blood DNA Purification Kit
- Maxwell® 16 Cell DNA Purification Kit
- Maxwell® 16 Tissue DNA Purification Kit
- Maxwell® 16 Total RNA Purification Kit
- Maxwell® 16 Tissue LEV Total RNA Purification Kit
- Maxwell® 16 Cell LEV Total RNA Purification Kit
- Maxwell® 16 Viral Total Nucleic Acid Purification Kit
- Maxwell® 16 LEV Blood DNA Kit
- Maxwell® 16 FFPE Tissue LEV DNA Purification Kit
- Maxwell® 16 Cell LEV DNA Purification Kit
- Maxwell® 16 Polyhistidine Protein Purification Kit

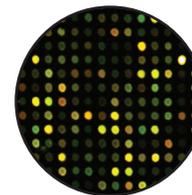
AUTOMATED EXTRACTION



gDNA



Total Nucleic Acid



Total RNA

INSTRUMENT SPECIFICATIONS

MAXWELL® 16

Processing Time	30 - 45 minutes (depending on sample type and method)
Number of Samples	Up to 16
Standard Configuration	300 µl elution volume
Weight	41.7 lb (18.9 kg)
Dimensions	12.8W x 17.3D x 12.9H inches (33W x 44D x 33H cm)
Power Requirements	100 - 240VAC, 50-60Hz, 2.1A
Regulatory Compliance	General Purpose Medical Device (US Only)

MAXWELL® 16 INSTRUMENT STANDARD COMPONENTS

1 Maxwell® 16 Instrument
1 Power Cable
1 RS-232 Cable for Firmware Upgrades
1 CD Containing Technical Manual
1 Year Warranty

ORDERING INFORMATION

Product	Size	Cat #
Maxwell® 16 Blood DNA Purification Kit ⁽¹⁾	48 preps	AS1010
Maxwell® 16 Cell DNA Purification Kit ⁽¹⁾	48 preps	AS1020
Maxwell® 16 Tissue DNA Purification Kit ⁽¹⁾	48 preps	AS1030
Maxwell® 16 Total RNA Purification Kit ⁽¹⁾	48 preps	AS1050
Maxwell® 16 Tissue LEV Total RNA Purification Kit ⁽¹⁾	48 preps	AS1220
Maxwell® 16 Cell LEV Total RNA Purification Kit ⁽¹⁾	48 preps	AS1225
Maxwell® 16 Viral Total Nucleic Acid Purification Kit ⁽¹⁾	48 preps	AS1150
Maxwell® 16 LEV Blood DNA Kit ⁽¹⁾	48 preps	AS1290
Maxwell® 16 FFPE Tissue LEV DNA Purification Kit ⁽¹⁾	48 preps	AS1130
Maxwell® 16 Cell LEV DNA Purification Kit ⁽¹⁾	48 preps	AS1140
Maxwell® 16 Polyhistidine Protein Purification Kit ⁽¹⁾	48 preps	AS1060
Maxwell® 16 Instrument LEV ⁽¹⁾	each	AS2000-LX
Maxwell® 16 Instrument SEV ⁽¹⁾	each	AS2000-SX
Maxwell® 16 Instrument LEV with Flexi Firmware ⁽¹⁾	each	AS2000-LF
Maxwell® 16 Instrument SEV with Flexi Firmware ⁽¹⁾	each	AS2000-SF

⁽¹⁾For Laboratory Use

Personal Automation is a trademark and Maxwell 16 is a registered trademark of Promega Corporation.



Maxwell[®] RSC 48

Flexible, Modular Nucleic Acid Purification



The Maxwell[®] RSC 48 System

Trusted Maxwell[®] purification reagents with higher throughput. The Maxwell[®] 48 Instrument processes up to 48 samples at once while the compact instrument size minimizes the impact on precious laboratory space. The instrument easily integrates into your laboratory workflow, increasing productivity and decreasing the risk of human error.

Reliable

Maxwell[®] RSC 48 System uses prefilled cartridges and preprogrammed methods for efficient reproducible nucleic acid extraction. An integrated vision system detects proper cartridge setup, reducing the potential for user error, and a large LED provides a visual indication of current run status. Purified samples are compatible with a wide range of downstream applications such as PCR, quantitative PCR, Sanger sequencing, Next Generation Sequencing (NGS), microarrays and digital droplet PCR.

Flexible

The Maxwell[®] RSC 48 System works with a variety of sample types, including human blood, cells and tissues using protocols that are fast and easy. The instrument's sample throughput is adaptable, allowing you to process anywhere from 1 to 48 samples simultaneously.

Intuitive Software

Maxwell[®] RSC 48 software is so intuitive that you'll be able to set up and perform your first run in a matter of minutes after initial instrument setup.

Supported

The Maxwell[®] RSC 48 Instrument is backed by a comprehensive one year standard warranty and our expert service team and a full line of additional service products.

Maxwell[®] RSC 48 Supported Chemistry Kits

Product	Typical Protocol Run Time	Cat.#
Maxwell [®] RSC Blood DNA Kit	36 minutes	AS1400
Maxwell [®] RSC SimplyRNA Cells Kit	51 minutes	AS1390
Maxwell [®] RSC SimplyRNA Blood Kit	53 minutes	AS1380
Maxwell [®] RSC DNA FFPE Kit	40 minutes	AS1450
Maxwell [®] RSC RNA FFPE Kit	40 minutes	AS1440
Maxwell [®] RSC ccfDNA Plasma Kit	70 minutes	AS1480
Maxwell [®] RSC SimplyRNA Tissue Kit	51 minutes	AS1340
Maxwell [®] RSC Whole Blood DNA Kit	39 minutes	AS1520
Maxwell [®] RSC Viral Total Nucleic Acid Purification Kit	32 minutes	AS1330
Maxwell [®] RSC miRNA Tissue Kit	72 minutes	AS1460

**Efficient Purification:
One Sample, One Cartridge — No Waste**

Specifications

Sample Capacity: 1–48 Samples; (2) 24 position, removable trays

Intended Use: Research Use Only

Dimensions excluding Tablet PC (W x D x H): 21 x 20 x 12.5 inches (533 x 508 x 217.5 mm)

Weight: 70 lbs (31.75 kg) est.

Main Power Voltage: 100–240V AC, 50/60Hz; autosensing; 4 Amps

Operating Environment: 15–25°C

Service and Warranty: 1-year limited warranty on parts and labor. Extended service contracts

UV-Bulb: Average lifetime approximately 6,000 hours

