

# Maxwell® CSC Instruments

Automated Nucleic Acid Extraction for  
Diagnostic and Clinical Research Applications





# Maxwell® CSC Instruments

Maxwell® CSC Instruments easily integrate into any laboratory workflow. Their compact size minimizes the impact on precious laboratory space and maximizes sample capacity. Choose an instrument to suit your laboratory throughput needs. Automatically process 1–16 samples with the Maxwell® CSC System, or increase your capacity with the Maxwell® CSC 48 System to process 1–48 samples.

## Reliable

The Maxwell® CSC Instruments use prefilled cartridges and preprogrammed methods to reduce the potential for user error. The Maxwell® CSC 48 includes an integrated vision system to verify correct deck tray setup prior to a run, further ensuring error-free operation. The purified nucleic acids are ready for use in diagnostic assays and are compatible with a wide range of downstream amplification-based applications.

## Flexible

The Maxwell® CSC Instruments are a high-value laboratory addition, capable of both clinical research (RUO) and diagnostic (IVD) applications with dual-mode software. The instruments and chemistries work with a variety of sample types, such as human blood, plasma, swabs, tissues, and formalin-fixed, paraffin-embedded (FFPE) samples. No need to wait to process full runs. The Maxwell 1:1 Sample to Reagent Cartridge system allows you to process anywhere from 1 to 16 samples (Maxwell® CSC System) or 1 to 48 samples (Maxwell® CSC 48 System) simultaneously without wasting reagents.

## Intuitive

Maxwell® CSC software uses an easy to use and intuitive graphical user interface. 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 bar code reader eliminates the need to manually enter sample IDs and creates a streamlined, simple sample tracking report that easily exports to your laboratory notebook or accessible to your laboratory informatics system (LIMS).

## Supported

The Maxwell® CSC Instruments are backed by a comprehensive one-year warranty, our expert service team and a full line of additional service products (see page 11).



## Reliable

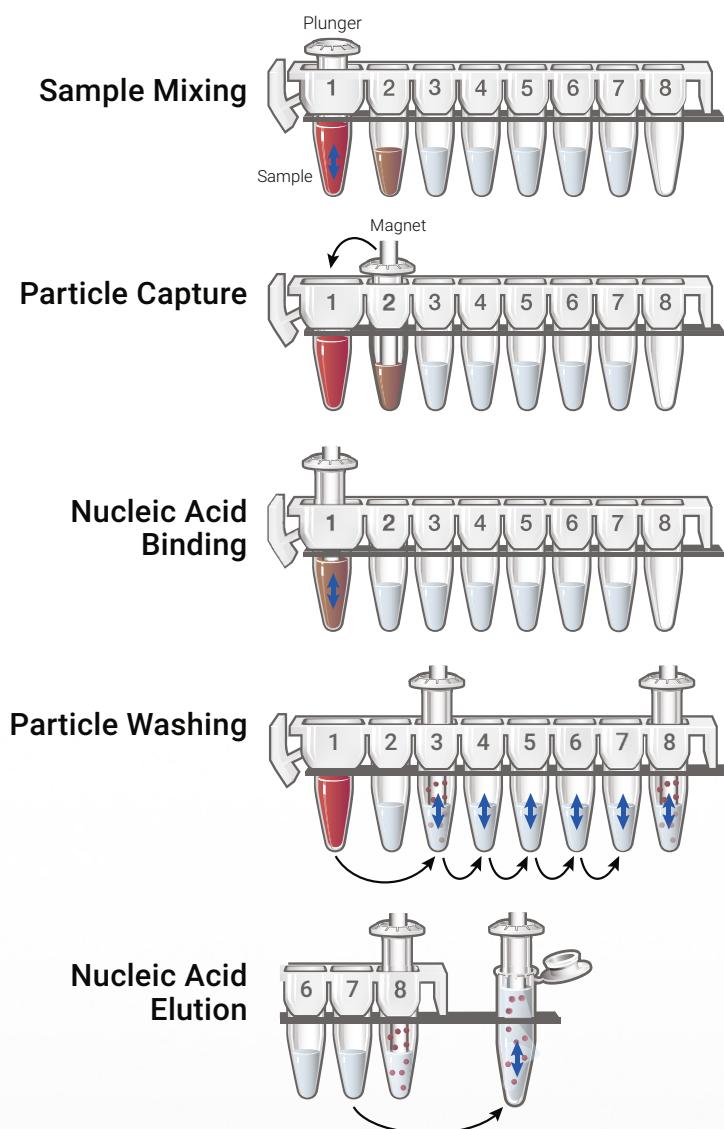
### Paramagnetic Particle Mover

The Maxwell® CSC System utilizes cartridges prefilled with reagents and paramagnetic particles, ready for your samples. After sample addition, the Maxwell® CSC System moves the paramagnetic particles and associated nucleic acids through a series of steps, ultimately yielding pure RNA or DNA in a 30–200 $\mu$ l final volume.

The Maxwell® CSC Instruments provide consistent, reliable results without problems associated with traditional liquid handlers:

- **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

A single instrument platform capable of both clinical research (RUO) and diagnostic applications (IVD).

IVD KITS	
AS1321	Maxwell® CSC Blood DNA
AS1410	Maxwell® CSC RNA Blood
AS1350	Maxwell® CSC DNA FFPE
AS1360	Maxwell® CSC RNA FFPE
AS1780	Maxwell® CSC Viral TNA
AS1820	Maxwell® CSC Whole Blood DNA
AS1850	Maxwell® CSC Genomic DNA
AS1860	Maxwell® CSC Pathogen Total Nucleic Acid

A SELECTION OF RUO (RESEARCH USE ONLY) KITS	
AS1520	Maxwell® RSC Whole Blood DNA
AS1330	Maxwell® RSC Viral Total Nucleic Acid
AS1480	Maxwell® RSC ccfDNA Plasma
AS1340	Maxwell® RSC simplyRNA Tissue
AS1540	Maxwell® RSC Buffy Coat DNA
AS1370	Maxwell® RSC Cells DNA
AS1390	Maxwell® RSC simplyRNA Cells
AS1680	Maxwell® RSC miRNA Plasma and Serum
AS1720	Maxwell® RSC FFPE Plus DNA
AS1610	Maxwell® RSC Tissue DNA
AS1620	Maxwell® RSC Cultured Cells DNA
AS1630	Maxwell® RSC Stabilized Saliva DNA
AS1640	Maxwell® RSC Buccal Swab DNA
AS1460	Maxwell® RSC miRNA Tissue
AS1660	Maxwell® RSC PureFood Pathogen
AS1700	Maxwell® RSC Fecal Microbiome DNA
AS1840	Maxwell® RSC ccfDNA LV Plasma

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.

# Intuitive

## Intuitive Software Interface

Easy-to-use touch screen interface for walk-away, automated nucleic acid extraction at your fingertips.

## Extraction in Only a Few Short Steps

1. Prepare samples and add to cartridge.
2. Scan kit to select appropriate protocol.
3. Select cartridge positions and assign sample IDs.
4. Start run.



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



Select Start.



Scan your kit to select your method.



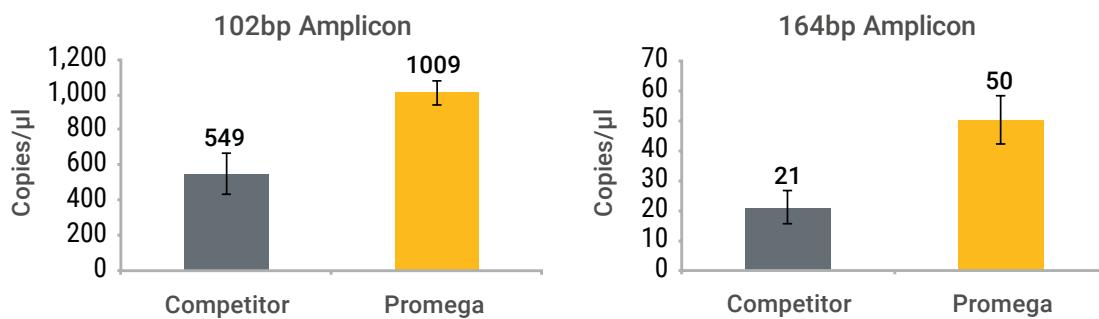
Assign sample IDs to their corresponding cartridge positions and run.

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

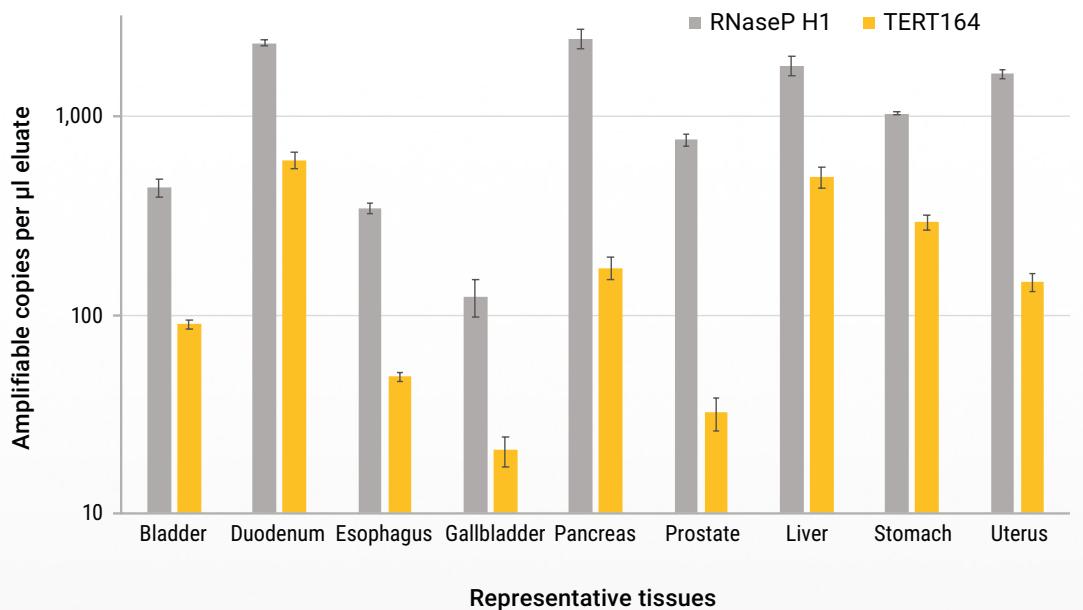
# Quality and Performance

The Maxwell® CSC Instruments and chemistries provide high-quality nucleic acid for use in your downstream assays.

## Obtain more Amplifiable DNA



## Broad Tissue Type Extraction of Amplifiable DNA from FFPE



17501MA

Purification of amplifiable DNA from diverse tissue types using the Maxwell® CSC DNA FFPE Kit. Single FFPE sections were processed in triplicate using the Maxwell® CSC DNA FFPE Kit workflow on the Maxwell® CSC Instrument. Eluates were assessed by qPCR using a short amplicon (RNase P H1; 102bp) and with a longer amplicon (TERT; 164bp) to assess size distribution.





## Supported

**The Maxwell® CSC 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® CSC CAT.#	MAXWELL® CSC 48 CAT.#
Premier Warranty Upgrade	SA1111	SA1450
Standard Service Agreement	SA1110	SA1451
Premier Service Agreement	SA1120	SA1452
Preventive Maintenance	SA1130	SA1456
Installation Qualification	SA1140	SA1357
Operational Qualification	SA1150	SA1358
IQ/OQ Combination Package	SA1160	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.#
Elution Magnet, 16-Position	AS4017
Elution Magnet, 24-Position	AS4018
Maxwell® CSC Instrument	AS6000
Maxwell® CSC 48 Instrument	AS8000
Maxprep™ Liquid Handler*	AS9101/AS9201

Products may be covered by pending or issued patents or may have certain limitations.

Please visit our web site for more information.

Maxwell is a trademark of Promega Corporation. Maxprep and Quantus are trademarks of Promega Corporation.

Note: The Maxwell CSC products are not available in all regions.

\*Maxwell CSC instruments operated in RUO mode are compatible with the Maxprep Liquid Handler and Portal Software.

For more information, visit:

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

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



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