

# Nucleic Acid Purification Selection Guide

CHEMISTRY AND INSTRUMENT CAPABILITIES AT ALL SCALES



Manual Processing

Small to Medium Scale Automation





High-Throughput Automation

Promega nucleic acid extraction chemistries cover a full range of sample throughput needs--from single-prep manual solutions through benchtop automation to plate-based systems compatible with robotic liquid handlers.


Optimization of extraction methodologies is key for success, especially with challenging sample types and demanding downstream applications. The target nucleic acid should be purified free of contaminants, including proteins, other cellular components and undesired nucleic acids.

Here, you'll find a range of nucleic acid extraction products that generate high yields of high-quality genomic DNA, plasmid DNA, RNA or total nucleic acid from many sample types. We also provide products for clean up and concentration of DNA or RNA from dilute solutions, gel slices or PCR.

## DNA Purification

Sample Type	Sample Volume (or amount)	Time to Process (minutes) <sup>1</sup>	Format (Manual/ Automated)	Product	Cat.#
<b>BACTERIA</b> 	1–5ml culture	60	<b>M</b>	Wizard® Genomic DNA Purification Kit <sup>3</sup>	<b>A1120, A1125, A1620</b>
	1ml culture	90	<b>M</b>	Wizard® HMW DNA Extraction Kit <sup>3</sup>	<b>A2920</b>
	Up to 5 × 10 <sup>6</sup> cells	20	<b>M</b>	Wizard® SV Genomic DNA Purification System <sup>3</sup>	<b>A2360, A2361</b>
	Up to 5 × 10 <sup>6</sup> cells	30	<b>M/A</b>	Wizard® SV 96 Genomic DNA Purification System <sup>3</sup>	<b>A2370, A2371</b>
	5 × 10 <sup>6</sup> (mammalian tissue) 2 × 10 <sup>9</sup> (bacterial cells)	≤48 samples in 45	<b>A</b>	Maxwell® RSC Cultured Cells DNA Kit <sup>3</sup>	<b>AS1620</b>
	Up to 800µl of food matrix	≤48 samples in 40	<b>A</b>	Maxwell® RSC PureFood Pathogen Kit <sup>3</sup>	<b>AS1660</b>
<b>BLOOD</b> 	≤200µl	≤30	<b>M</b>	ReliaPrep™ Blood gDNA Miniprep System <sup>3</sup>	<b>A5081, A5082</b>
	50µl–10ml	60	<b>M</b>	Wizard® Genomic DNA Purification Kit <sup>3</sup>	<b>A1120, A1125, A1620</b>
	300µl	90	<b>M</b>	Wizard® HMW DNA Extraction Kit <sup>3</sup>	<b>A2920</b>
	50–300µl	≤48 samples in <70	<b>A</b>	Maxwell® CSC Blood DNA Kit <sup>2</sup>	<b>AS1321</b>
	50–300µl	≤48 samples in <70	<b>A</b>	Maxwell® CSC Genomic DNA Kit <sup>2</sup>	<b>AS1850</b>
	500µl	≤48 samples in <60	<b>A</b>	Maxwell® CSC Whole Blood DNA Kit <sup>2</sup>	<b>AS1820</b>
	50–300µl	≤48 samples in <70	<b>A</b>	Maxwell® RSC Blood DNA Kit <sup>3</sup>	<b>AS1400, ASB1400</b>
	50–300µl	≤48 samples in <70	<b>A</b>	Maxwell® RSC Genomic DNA Kit <sup>3</sup>	<b>AS1880</b>
	50–500µl	≤48 samples in 60	<b>A</b>	Maxwell® RSC Whole Blood DNA Kit <sup>3</sup>	<b>AS1520, ASB1520</b>
	<350µl	96 samples in <150	<b>A</b>	Maxwell® HT 96 gDNA Blood Isolation System <sup>3</sup>	<b>A2670, A2671</b>
	≤350µl	90 no sample transfer, 120 with sample transfer	<b>A</b>	Maxwell® HT Genomic DNA Kit <sup>3</sup>	<b>A6050</b>
	1–10ml	32 samples in <240	<b>A</b>	ReliaPrep™ Large Volume HT gDNA Isolation System <sup>3</sup>	<b>A2751</b>
	50–300µl	≤48 samples in <70	<b>A</b>	Maxwell® CSC Genomic DNA Kit <sup>2</sup>	<b>AS1850</b>
<b>BONE MARROW</b> 	50–300µl	≤48 samples in <70	<b>A</b>	Maxwell® RSC Genomic DNA Kit <sup>3</sup>	<b>AS1880</b>
	50–300µl	≤48 samples in <70	<b>A</b>	Maxwell® RSC Genomic DNA Kit <sup>3</sup>	<b>AS1880</b>
<b>BUFFY COAT</b> 	300µl–1ml <sup>4</sup>	60	<b>M</b>	Wizard® Genomic DNA Purification Kit <sup>3</sup>	<b>A1120, A1125, A1620</b>
	50–300µl	≤48 samples in <70	<b>A</b>	Maxwell® CSC Genomic DNA Kit <sup>2</sup>	<b>AS1850</b>
	50–250µl	≤48 samples in 50	<b>A</b>	Maxwell® RSC Buffy Coat DNA Kit <sup>3</sup>	<b>AS1540</b>
	50–300µl	≤48 samples in <70	<b>A</b>	Maxwell® RSC Genomic DNA Kit <sup>3</sup>	<b>AS1880</b>
	50–300µl	120	<b>A</b>	Maxwell® HT 96 gDNA Blood Isolation System <sup>3</sup>	<b>A2670, A2671</b>
	50–300µl	90 no sample transfer, 120 with sample transfer	<b>A</b>	Maxwell® HT Genomic DNA Kit <sup>3</sup>	<b>A6050</b>
	Up to 1ml <sup>4</sup>	60	<b>A</b>	ReliaPrep™ Large Volume HT gDNA Isolation System <sup>3</sup>	<b>A2751</b>



Sample Type	Sample Volume (or amount)	Time to Process (minutes) <sup>1</sup>	Format (Manual/ Automated)	Product	Cat.#
<b>CELLS</b> 	≤8 × 10 <sup>6</sup> tissue culture cells	60	<b>M</b>	Wizard® Genomic DNA Purification Kit <sup>3</sup>	<b>A1120, A1125, A1620</b>
	3 × 10 <sup>6</sup> cells	90	<b>M</b>	Wizard® HMW DNA Extraction Kit <sup>3</sup>	<b>A2920</b>
	1 × 10 <sup>4</sup> to 5 × 10 <sup>6</sup> tissue culture cells	20–30	<b>M</b>	Wizard® SV Genomic DNA Purification System <sup>3</sup>	<b>A2360, A2361</b>
	1 × 10 <sup>4</sup> to 5 × 10 <sup>6</sup> tissue culture cells	60	<b>M/A</b>	Wizard® SV 96 Genomic DNA Purification System <sup>3</sup>	<b>A2370, A2371</b>
	Up to 5 × 10 <sup>6</sup> mammalian cells and cell pellets from biological fluids	≤48 samples in <70	<b>A</b>	Maxwell® CSC Genomic DNA Kit <sup>2</sup>	<b>AS1850</b>
	<10,000 cells	≤48 samples in 45	<b>A</b>	Maxwell® RSC Cell DNA Purification Kit <sup>3</sup>	<b>AS1370</b>
	5 × 10 <sup>6</sup> (mammalian cells) 2 × 10 <sup>9</sup> (bacterial cells)	≤48 samples in 45	<b>A</b>	Maxwell® RSC Cultured Cells DNA Kit <sup>3</sup>	<b>AS1620</b>
	Up to 5 × 10 <sup>6</sup> mammalian cells and cell pellets from biological fluids	≤48 samples in <70	<b>A</b>	Maxwell® RSC Genomic DNA Kit <sup>3</sup>	<b>AS1880</b>
	350µl or 700µl (Oragene Sample)	96 samples in <150	<b>A</b>	Maxwell® HT 96 gDNA Blood Isolation System <sup>3</sup>	<b>A2670, A2671</b>
	5 × 10 <sup>6</sup> (mammalian cells) 2 × 10 <sup>9</sup> (bacterial cells)	90 no sample transfer, 120 with sample transfer	<b>A</b>	Maxwell® HT Genomic DNA Kit <sup>3</sup>	<b>A6050</b>
<b>FECAL</b> 	50–250mg	40	<b>M</b>	ReliaPrep™ Blood gDNA Miniprep System <sup>3</sup>	<b>A5081, A5082</b>
	100–300mg	≤48 samples in 60	<b>A</b>	Maxwell® RSC Fecal Microbiome DNA Kit <sup>3</sup>	<b>AS1700</b>
	≤100mg	90 no sample transfer, 120 with sample transfer	<b>A</b>	Maxwell® HT Fecal Microbiome Kit <sup>3</sup>	<b>A6040</b>
<b>FFPE</b> 	≤100µm tissue sections	150 including deparaffinization	<b>M</b>	ReliaPrep™ FFPE gDNA Miniprep System <sup>3</sup>	<b>A2351, A2352</b>
	Up to 2.0mm <sup>3</sup> tissue sections	≤48 samples in ~300 - Overnight	<b>A</b>	Maxwell® CSC DNA FFPE Kit <sup>2</sup>	<b>AS1350</b>
	Up to 2.0mm <sup>3</sup> tissue sections	≤48 samples in ~300 - Overnight	<b>A</b>	Maxwell® RSC DNA FFPE Kit <sup>3</sup>	<b>AS1450, ASB1450</b>
	Up to 2.0mm <sup>3</sup> tissue sections	~300	<b>A</b>	Maxwell® HT DNA FFPE Isolation System <sup>3</sup>	<b>A6372</b>
<b>FOOD</b> 	200mg–1g	60	<b>M</b>	Wizard® Magnetic DNA Purification System for Food <sup>3</sup>	<b>FF3750, FF3751</b>
	200mg food or seed, or up to 2mg food sample with additional processing	≤48 samples in 40	<b>A</b>	Maxwell® RSC PureFood GMO Authentication Kit <sup>3</sup>	<b>AS1600</b>








Sample Type	Sample Volume (or amount)	Time to Process (minutes) <sup>1</sup>	Format (Manual/ Automated)	Product	Cat.#
<b>FRAGMENTS</b> 	Up to 200µl PCR sample	20	<b>M</b>	Wizard® SV 96 PCR Clean-Up System <sup>3</sup>	<b>A9340, A9341 A9342, A9345</b>
	Up to 350mg agarose gel slice or up to 1ml enzymatic reaction	15	<b>M</b>	Wizard® SV Gel and PCR Clean-Up System <sup>3</sup>	<b>A9281, A9282, A9285, A9283, A9284</b>
	25–300µl	10	<b>M</b>	ReliaPrep™ DNA Clean-Up and Concentration System <sup>3</sup>	<b>A2891, A2892, A2893</b>
	20µl sequencing reaction	35–90	<b>A</b>	Wizard® MagneSil® Sequencing Reaction Clean-Up System <sup>3</sup>	<b>A1831, A1832, A1835</b>
<b>INSECTS</b>					
	5 x 10 <sup>6</sup> cells	60	<b>M</b>	Wizard® Genomic DNA Purification Kit <sup>3</sup>	<b>A1120, A1125, A1620</b>
<b>PLANT</b>					
	40mg	60	<b>M</b>	Wizard® Genomic DNA Purification Kit <sup>3</sup>	<b>A1120, A1125, A1620</b>
	40mg	90	<b>M</b>	Wizard® HMW DNA Extraction Kit <sup>3</sup>	<b>A2920</b>
	≤30mg	120	<b>M</b>	Wizard® Magnetic 96 DNA Plant System <sup>3</sup>	<b>FF3760, FF3761</b>
	20mg	≤48 samples in 60	<b>M</b>	Wizard® SV Genomic DNA Purification System <sup>3</sup>	<b>A2360, A2361</b>
	5 × 10 <sup>6</sup> cells, 20mg	20	<b>M/A</b>	Wizard® SV 96 Genomic DNA Purification System <sup>3</sup>	<b>A2370, A2371</b>
	≤20mg	≤48 samples in 60	<b>A</b>	Maxwell® RSC Plant DNA Kit <sup>3</sup>	<b>AS1490</b>
	≤200mg plant material (feed/seed)	60 on KingFisher; 90 no sample transfer, 120 with sample transfer	<b>A</b>	Maxwell® HT Genomic DNA Kit <sup>3</sup>	<b>A6050</b>
<b>PLASMA/ SERUM</b>					
	300µl or 10ml plasma or serum	60	<b>M</b>	Wizard® Genomic DNA Purification Kit <sup>3</sup>	<b>A1120, A1125, A1620</b>
	0.2–1.0ml of plasma	≤48 samples in 70	<b>A</b>	Maxwell® RSC ccfDNA Plasma Kit <sup>3</sup>	<b>AS1480</b>
	2–8ml of plasma (higher input volumes also achievable)	≤48 samples in 120	<b>A</b>	Maxwell® RSC LV ccfDNA Plasma Kit <sup>3</sup>	<b>AS1840</b>
	Scalable up to 20ml plasma or serum	Various depending on input volume and automation	<b>A</b>	Maxwell® HT ccfDNA Kit <sup>3</sup>	<b>A6030</b>
<b>PLASMIDS</b>					
	600µl–3ml culture	10	<b>M</b>	PureYield™ Plasmid Miniprep System <sup>3</sup>	<b>A1223, A1222</b>
	50–250ml culture	30	<b>M</b>	PureYield™ Plasmid Midiprep System <sup>3</sup>	<b>A2492, A2495, A2496</b>
	100–250ml culture	60	<b>M</b>	PureYield™ Plasmid Maxiprep System <sup>3</sup>	<b>A2392, A2393</b>
	1–10ml culture	45	<b>M</b>	Wizard® Plus SV Minipreps DNA Purification System <sup>3</sup>	<b>A1330, A1460, A1465, A1340, A1470</b>
	4 OD <sub>600</sub> culture	≤60 per plate	<b>M/A</b>	Wizard® SV 96 and SV 9600 Plasmid DNA Purification Systems <sup>3</sup>	<b>A2250, A2255, A2258</b>
	6 OD <sub>600</sub> culture	<90 per plate	<b>A</b>	Wizard® MagneSil® Plasmid Purification System <sup>3</sup>	<b>A1630, A1631, A1635</b>
	6 OD <sub>600</sub> culture	45 or less per plate	<b>A</b>	Wizard® MagneSil Tfx™ System <sup>3</sup>	<b>A2380</b>









Sample Type	Sample Volume (or amount)	Time to Process (minutes) <sup>1</sup>	Format (Manual/ Automated)	Product	Cat.#
<b>SALIVA / BUCCAL</b>	1 swab	30	<b>M</b>	ReliaPrep™ gDNA Tissue Miniprep System <sup>3</sup>	<b>A2051, A2052</b>
	Up to 2 swabs	≤48 samples in <80	<b>A</b>	Maxwell® CSC Genomic DNA Kit <sup>2</sup>	<b>AS1850</b>
	1 swab	≤48 samples in 90	<b>A</b>	Maxwell® RSC Buccal Swab DNA Kit <sup>3</sup>	<b>AS1640</b>
	Up to 2 swabs	≤48 samples in <80	<b>A</b>	Maxwell® RSC Genomic DNA Kit <sup>3</sup>	<b>AS1880</b>
	Up to 1ml stabilized saliva	≤48 samples in 60	<b>A</b>	Maxwell® RSC Stabilized Saliva DNA Kit <sup>3</sup>	<b>AS1630</b>
	700µl stabilized saliva	120	<b>A</b>	Maxwell® HT 96 gDNA Blood Isolation System <sup>3</sup>	<b>A2670, A2671</b>
	1–10ml	60	<b>A</b>	ReliaPrep™ Large Volume HT gDNA Isolation System <sup>3</sup>	<b>A2751</b>
<b>TISSUE</b>	1.2cm (mouse tail) or up to 20mg or one buccal swab	20–30	<b>M</b>	ReliaPrep™ gDNA Tissue Miniprep System <sup>3</sup>	<b>A2051, A2052</b>
	11mg (mouse liver) 0.5–1cm (mouse tail) 40mg (tomato leaf)	60	<b>M</b>	Wizard® Genomic DNA Purification Kit <sup>3</sup>	<b>A1120, A1125, A1620</b>
	20–60mg	90	<b>M</b>	Wizard® HMW DNA Extraction Kit <sup>3</sup>	<b>A2920</b>
	Up to 20mg	60	<b>M</b>	Wizard® SV 96 Genomic DNA Purification System <sup>3</sup>	<b>A2370, A2371</b>
	1.2cm (mouse tail) or up to 20mg	20–30	<b>M</b>	Wizard® SV Genomic DNA Purification System <sup>3</sup>	<b>A2360, A2361</b>
	5–50mg	≤48 samples in <180 - Overnight	<b>A</b>	Maxwell® CSC Genomic DNA Kit <sup>2</sup>	<b>AS1850</b>
	5–50mg	≤48 samples in <180 - Overnight	<b>A</b>	Maxwell® RSC Genomic DNA Kit <sup>3</sup>	<b>AS1880</b>
	Up to 50mg (mammalian)	≤48 samples in 45	<b>A</b>	Maxwell® RSC Tissue DNA Kit <sup>3</sup>	<b>AS1610</b>
	Varies	90 no sample transfer, 120 with sample transfer	<b>A</b>	Maxwell® HT Genomic DNA Kit <sup>3</sup>	<b>A6050</b>
<b>URINE</b>	≤200µl	40	<b>M</b>	ReliaPrep™ Blood gDNA Minipreps <sup>3</sup> System	<b>A5081, A5082</b>
	≤50ml	Various depending on input volume and automation	<b>A</b>	Maxwell® HT ccfDNA Kit <sup>3</sup>	<b>A6030</b>
<b>YEAST - FUNGI</b>	1.9 x 10 <sup>8</sup> cells/ml	60	<b>M</b>	Wizard® Genomic DNA Purification Kit <sup>3</sup>	<b>A1120, A1125, A1620</b>
					

## RNA Purification







Sample Type	Sample Volume (or amount)	Time to Process (minutes) <sup>1</sup>	Format (Manual/ Automated)	Product	Cat.#
<b>BACTERIA</b>					
	1ml of bacteria culture	60	<b>M</b>	SV Total RNA Isolation System <sup>3</sup>	<b>Z3101, Z3100, Z3105</b>
<b>BLOOD</b>					
	≤20μl fresh whole blood (96-well)	≤50	<b>M</b>	MagneSil® Total RNA Mini-Isolation System <sup>3</sup>	<b>Z3351</b>
	≤5μl fresh whole blood (384-well)				
	100μl whole blood	60	<b>M</b>	SV Total RNA Isolation System <sup>3</sup>	<b>Z3101, Z3100, Z3105</b>
	100μl whole blood	60	<b>M/A</b>	SV 96 Total RNA Isolation System <sup>3</sup>	<b>Z3500, Z3505</b>
	2.5ml fresh human whole blood	≤48 samples in <120	<b>A</b>	Maxwell® CSC RNA Blood Kit <sup>2</sup>	<b>AS1410</b>
	2.5ml fresh whole blood	≤48 samples in <120	<b>A</b>	Maxwell® RSC simplyRNA Blood Kit <sup>3</sup>	<b>AS1380, ASB1380</b>
	2.5ml fresh whole blood	90 no sample transfer, 120 with sample transfer	<b>A</b>	Maxwell® HT simplyRNA Kit, Custom <sup>3</sup>	<b>AX7890</b>
<b>CELLS</b>					
	1 × 10 <sup>6</sup> to 1 × 10 <sup>8</sup> cells	45	<b>M</b>	PolyAtract® System 1000 <sup>3</sup>	<b>Z5420, Z5400</b>
	1 × 10 <sup>2</sup> to 1 × 10 <sup>6</sup> tissue culture cells	40	<b>M</b>	ReliaPrep™ miRNA Cell and Tissue Miniprep System <sup>3</sup>	<b>Z6210, Z6211, Z6212</b>
	100 to 5 × 10 <sup>6</sup> tissue culture cells	30	<b>M</b>	ReliaPrep™ RNA Cell Miniprep System <sup>3</sup>	<b>Z6010, Z6011, Z6012</b>
	≤5 × 10 <sup>6</sup> tissue culture cells	<60	<b>M</b>	SV Total RNA Isolation System <sup>3</sup>	<b>Z3101, Z3100, Z3105</b>
	≤5 × 10 <sup>6</sup> tissue culture cells	<60	<b>M/A</b>	SV 96 Total RNA Isolation System <sup>3</sup>	<b>Z3500, Z3505</b>
	Up to 5 × 10 <sup>6</sup> cells	≤48 samples in 60	<b>A</b>	Maxwell® RSC simplyRNA Cells Kit <sup>3</sup>	<b>AS1390</b>
	≤1 × 10 <sup>5</sup> tissue culture cells	30	<b>A</b>	MagneSil® Total RNA Mini-Isolation System <sup>3</sup>	<b>Z3351</b>
	<1 × 10 <sup>7</sup> (1M) tissue culture cells	90 no sample transfer, 120 with sample transfer	<b>A</b>	Maxwell® HT simplyRNA Kit, Custom <sup>3</sup>	<b>AX7890</b>
<b>FFPE</b>					
	5–50μm tissue sections	90 including deparaffinization	<b>M</b>	ReliaPrep™ FFPE Total RNA Miniprep System <sup>3</sup>	<b>Z1001, Z1002</b>
	Up to 2mm <sup>3</sup> tissue sections	≤48 samples in <180	<b>A</b>	Maxwell® CSC RNA FFPE Kit <sup>2</sup>	<b>AS1360</b>
	Up to 2mm <sup>3</sup> tissue sections	≤48 samples in <180	<b>A</b>	Maxwell® RSC RNA FFPE Kit <sup>3</sup>	<b>AS1440</b>
<b>mRNA</b>					
	1–5mg of total RNA (3 isolations) 10–1,000μg of total RNA (15 isolations)	45	<b>M</b>	PolyAtract® mRNA Isolation Systems <sup>3</sup>	<b>Z5200, Z5210, Z5300, Z5310</b>






Sample Type	Sample Volume (or amount)	Time to Process (minutes) <sup>1</sup>	Format (Manual/ Automated)	Product	Cat.#
<b>PLANT</b>	30mg	60	<b>M</b>	SV Total RNA Isolation System <sup>3</sup>	<b>Z3500, Z3505</b>
	20–100mg plant tissue	≤48 samples in 50	<b>A</b>	Maxwell® RSC Plant RNA Kit <sup>3</sup>	<b>AS1500</b>
	4mm Leaf punch, 2–50mg leaf tissue or single seed	90 KingFisher	<b>A</b>	Maxwell® HT simplyRNA Kit, Custom <sup>3</sup>	<b>AX7890</b>
<b>PLASMA/ SERUM</b>	100µl plasma or serum	60	<b>M</b>	SV Total RNA Isolation System <sup>3</sup>	<b>Z3500, Z3505</b>
	100–500µl plasma or serum; 50–200µl exosomes	≤48 samples in 90	<b>A</b>	Maxwell® RSC miRNA Plasma and Serum Kit <sup>3</sup>	<b>AS1680</b>
	100–500µl plasma or serum; 50–200µl exosomes	90 no sample transfer, 120 with sample transfer	<b>A</b>	Maxwell® HT miRNA Kit <sup>3</sup>	<b>BX2500</b>
<b>TISSUE</b>	5mg–2g	45	<b>M</b>	PolyAtract® System 1000 <sup>3</sup>	<b>Z5420, Z5400</b>
	0.25–20mg	40	<b>M</b>	ReliaPrep™ miRNA Cell and Tissue Miniprep System <sup>3</sup>	<b>Z6210, Z6211, Z6212</b>
	≤20mg	30	<b>M</b>	ReliaPrep™ RNA Tissue Miniprep System <sup>3</sup>	<b>Z6110, Z6111, Z6112</b>
	15–60mg	60	<b>M</b>	SV Total RNA Isolation System <sup>3</sup>	<b>Z3101, Z3100, Z3105</b>
	>3mg	<60	<b>M/A</b>	SV 96 Total RNA Isolation System <sup>3</sup>	<b>Z3500, Z3505</b>
	≤20mg	≤48 samples in 70	<b>A</b>	Maxwell® RSC miRNA Tissue Kit <sup>3</sup>	<b>AS1460</b>
	≤20mg	≤48 samples in 60	<b>A</b>	Maxwell® RSC simplyRNA Tissue Kit <sup>3</sup>	<b>AS1340</b>
	≤2mg tissue lysate in 100µl	30	<b>A</b>	MagneSil® Total RNA Mini-Isolation System <sup>3</sup>	<b>Z3351</b>
	~25mg	90 no sample transfer, 120 with sample transfer	<b>A</b>	Maxwell® HT simplyRNA Kit <sup>3</sup>	<b>AX7890</b>
<b>YEAST - FUNGI</b>					
	0.6–1.0 OD <sub>600</sub> culture	90	<b>M</b>	SV Total RNA Isolation System <sup>3</sup>	<b>Z3101, Z3100, Z3105</b>



## TNA Purification

Sample Type	Sample Volume (or amount)	Time to Process (minutes) <sup>1</sup>	Format (Manual/ Automated)	Product	Cat.#
<b>BLOOD</b> 	200µl	<90 no sample transfer, 120 with sample transfer	<b>A</b>	Maxwell® HT Viral TNA Kit, Custom <sup>3</sup>	<b>AX2340</b>
<b>FECAL</b> 	100–500mg	≤48 samples in 80	<b>A</b>	Maxwell® CSC Pathogen Total Nucleic Acid Kit <sup>2</sup>	<b>AS1860</b>
	100–500mg	≤48 samples in 80	<b>A</b>	Maxwell® RSC Pathogen Total Nucleic Acid Kit <sup>3</sup>	<b>AS1890</b>
<b>Pap MEDIA</b> 	300µl	≤48 samples in 60	<b>A</b>	Maxwell® CSC Pathogen Total Nucleic Acid Kit <sup>2</sup>	<b>AS1860</b>
	300µl	≤48 samples in 60	<b>A</b>	Maxwell® RSC Pathogen Total Nucleic Acid Kit <sup>3</sup>	<b>AS1890</b>
<b>PLASMA/ SERUM</b> 	200µl of plasma	30	<b>M</b>	ReliaPrep™ Viral Total Nucleic Acid Miniprep, Custom <sup>3</sup>	<b>AX4820</b>
	300µl of plasma	≤48 samples in 60	<b>A</b>	Maxwell® CSC Pathogen Total Nucleic Acid Kit <sup>2</sup>	<b>AS1860</b>
	100–300µl plasma or serum	≤48 samples in 60	<b>A</b>	Maxwell® CSC Viral Total Nucleic Acid Purification Kit <sup>2</sup>	<b>AS1780</b>
	300µl of plasma	≤48 samples in 60	<b>A</b>	Maxwell® RSC Pathogen Total Nucleic Acid Kit <sup>3</sup>	<b>AS1890</b>
	100–300µl plasma or serum	≤48 samples in 60	<b>A</b>	Maxwell® RSC Viral Total Nucleic Acid Purification Kit <sup>3</sup>	<b>AS1330</b>
<b>SPUTUM/ BRONCHOALVEOLAR LAVAGE</b> 	100–300µl	≤48 samples in 70	<b>A</b>	Maxwell® CSC Pathogen Total Nucleic Acid Kit <sup>2</sup>	<b>AS1860</b>
	100–300µl	≤48 samples in 70	<b>A</b>	Maxwell® RSC Pathogen Total Nucleic Acid Kit <sup>3</sup>	<b>AS1890</b>
	200µl	90 no sample transfer, 120 with sample transfer	<b>A</b>	Maxwell® HT Viral Total Nucleic Acid Kit <sup>3</sup>	<b>AX2340</b>
<b>STABILIZED SALIVA</b> 	200µl	≤48 samples in 60	<b>A</b>	Maxwell® CSC Viral Total Nucleic Acid Purification Kit <sup>2</sup>	<b>AS1780</b>
	200µl	≤48 samples in 60	<b>A</b>	Maxwell® RSC Viral Total Nucleic Acid Purification Kit <sup>3</sup>	<b>AS1330</b>

## TNA Purification

Sample Type	Sample Volume (or amount)	Time to Process (minutes) <sup>1</sup>	Format (Manual/ Automated)	Product	Cat.#
<b>URINE</b> 	300µl–30ml	≤48 samples in 70	<b>A</b>	Maxwell® CSC Pathogen Total Nucleic Acid Kit <sup>2</sup>	<b>AS1860</b>
	300µl–30ml	≤48 samples in 70	<b>A</b>	Maxwell® RSC Pathogen Total Nucleic Acid Kit <sup>3</sup>	<b>AS1890</b>
<b>UTM/VTM</b> 	300µl	≤48 samples in 60	<b>A</b>	Maxwell® CSC Pathogen Total Nucleic Acid Kit <sup>2</sup>	<b>AS1860</b>
	200µl	≤48 samples in 60	<b>A</b>	Maxwell® CSC Viral Total Nucleic Acid Purification Kit <sup>2</sup>	<b>AS1780</b>
	300µl	≤48 samples in 60	<b>A</b>	Maxwell® RSC Pathogen Total Nucleic Acid Kit <sup>3</sup>	<b>AS1890</b>
	200µl	≤48 samples in 60	<b>A</b>	Maxwell® RSC Viral Total Nucleic Acid Purification Kit <sup>3</sup>	<b>AS1330</b>
	200µl	90 no sample transfer, 120 with sample transfer	<b>A</b>	Maxwell® HT Viral Total Nucleic Acid Kit <sup>3</sup>	<b>AX2340</b>
<b>WASTEWATER</b> 	40ml of wastewater	≤48 samples in 60	<b>M</b>	Wizard® Enviro Total Nucleic Acid Kit <sup>3</sup>	<b>A2991</b>
	40ml of wastewater	≤48 samples in 60	<b>A</b>	Maxwell® RSC Enviro Total Nucleic Acid Kit <sup>3</sup>	<b>AS1831</b>
	Various depending on pre-processing	90 no sample transfer, 120 with sample transfer	<b>A</b>	Maxwell® HT Enviro Total Nucleic Acid Kit <sup>3</sup>	<b>AX9190</b>





For inquiries regarding downstream applications, please scan here to reach our Technical Services team.



**Don't see your sample type listed?**  
Scan here to explore our Application Notes for an expanded variety of sample types and applications.

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<sup>1</sup>HT times are approximate and may vary depending on the configuration of the instrument (assuming 8 channels plus a 96 well pipetting head and plate gripper).

<sup>2</sup>CE-IVD. Intended for In Vitro Diagnostic Use. Currently available only in certain countries.

<sup>3</sup>For Research Use Only. Not for Use in Diagnostic Procedures.

<sup>4</sup>Estimated buffy coat volume isolated from 10ml whole blood.



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