

Sigma-Aldrich®

Lab & Production Materials

MERCK



The pHast solution for reagent prep

pHast Pack™ is fast and easy to use - just dilute, dissolve, and start your assay!

Increase lab productivity – save time, effort, and space with pHast Pack™ ready-to-use buffers and agarose gels. Our quality formulations are designed to simplify your work and strictly tested to ensure exact concentration and pH.

No weighing, calculations, or pH adjustments. Simply mix with water for fast reproducible analysis – every time.



pHast Pack™ advantages



CONVENIENT

Ready-to-use at an accurate concentration and pH.

- No calculations or weighing multiple chemicals
- No need to adjust the pH with strong acids and bases
- Quickly make 1X or 10X buffers - just q.s. with ultrapure water
- Multiple buffers and gels for nucleic acid and protein electrophoresis



EFFICIENT

Save time, effort, and costs.

- Reduce time and calculation errors preparing multiple buffers
- Decrease workload and exposure to toxic chemicals
- Less expense on multiple chemicals for buffer prep



REPRODUCIBLE

Comprehensive QC testing ensures unparalleled quality and reliability.

- Biological: DNase, RNase, Protease, and Nickase free
- Trace metals: Iron ≤10 ppm, Lead ≤5 ppm
- Physical: pH, solubility, concentration
- Suitability: Electrophoresis and cell culture applications tested

Visit: SigmaAldrich.com/pHast-Pack

pHast Pack™ Buffers

Cat. No.	pHast pack Buffer	Discount	Application
DNA Gel Electrophoresis			
» PPB008-20PAK	Tris Acetate EDTA buffer, pH 8.3	25%	Running buffer
» PPB009-20PAK	Tris Borate EDTA buffer, pH 8.3	25%	Running buffer
» PPB010-20PAK	Tris EDTA buffer, pH 8.0	25%	10X buffer stock
» PPB012-20PAK	1.0% Agarose in Tris-Acetate EDTA buffer	25%	Agarose gel
» PPB013-20PAK	1.0% Agarose in Tris-Borate EDTA buffer	25%	Agarose gel
Northern and Southern Blot			
» PPB020-20PAK	SSC buffer, pH 7.0	25%	Hybridization or Wash buffer
» PPB021-20PAK	SSPE buffer, pH 7.4	25%	Hybridization or Wash buffer
Western Blot			
» PPB002-20PAK	Tris Buffered Saline with 0.05% Tween® 20, pH 8.0	25%	Wash buffer
» PPB005-20PAK	Phosphate Buffered Saline with 0.05% Tween® 20, pH 7.4	25%	Wash buffer
» PPB015-20PAK	Tris-Glycine buffer, pH 8.3	25%	Running buffer
» PPB019-20PAK	Bis-Tris Bicine EDTA buffer, pH 7.2	25%	Transfer buffer
General Use			
» PPB001-20PAK	Tris Buffered Saline, pH 8.0	25%	Wash buffer
» PPB011-20PAK	Tris Buffered Saline, pH 7.6	25%	Wash buffer
» PPB006-20PAK	Phosphate Buffered Saline, pH 7.4	25%	Wash buffer
» PPB022-20PAK	0.1M Tris buffer, pH 7.0	25%	Multipurpose
» PPB023-20PAK	0.1M Tris buffer, pH 8.1	25%	Multipurpose

GenElute™-E Single Spin purification kits

Greener nucleic acid purification

The single spin technology

Traditional DNA and RNA purification uses silica membrane columns to isolate nucleic acid from cell, tissue, blood, and other sample types. In these methods, DNA or RNA is bound to silica using high concentrations of chaotropic salts such as guanidine hydrochloride. These bind-wash-elute methods require multiple wash and spin steps and chemical additives that can negatively impact nucleic acid quantitation as well as downstream enzymatic processes, such as PCR.

GenElute™-E kits are based on the principle of negative chromatography. Impurities like salt, detergent, proteins and organic solvents are removed by the spin column, while the purified nucleic acid is collected in the flow-through – all in just one single centrifugation step. This convenient procedure enables a significantly faster purification of nucleic acid samples with less handling.

With silica-based methods, traces of chaotropic salt and ethanol can potentially be co-eluted with purified nucleic acid, resulting in inhibition of real-time PCR experiments. GenElute™-E kits do not contain any chaotropic salts, organic solvents or EDTA, resulting in improved performance in downstream applications such as PCR.

Ordering Information

Cat. No.	Reactions	Product Description	Discount
EC100-10RXN	10	GenElute™-E Single Spin Blood DNA Kit	20%
EC100-50RXN	50		30%
EC100-250RXN	250		40%
EC200-10RXN	10	GenElute™-E Single Spin Blood DNA HiYield Kit	20%
EC200-50RXN	50		30%
EC200-250RXN	250		40%
EC196-2EA	2	GenElute™-E Single Spin Blood DNA 96 Kit	30%
EC196-8EA	8		40%
EC300-10RXN	10	GenElute™-E Single Spin Tissue DNA Kit	20%
EC300-50RXN	50		30%
EC300-250RXN	250		40%
EC396-2EA	2	GenElute™-E Single Spin Tissue DNA 96 Kit	30%
EC396-8EA	8		40%
EC400-10RXN	10	GenElute™-E Single Spin Cell Culture DNA Kit	20%
EC400-50RXN	50		30%
EC400-250RXN	250		40%
EC500-10RXN	10	GenElute™-E Single Spin Plant DNA Kit	20%
EC500-50RXN	50		30%
EC500-250RXN	250		40%
EC596-2EA	2	GenElute™-E Single Spin Plant DNA 96 Kit	30%
EC596-8EA	8		40%
EC600-10RXN	10	GenElute™-E Single Spin DNA Cleanup Kit	20%
EC600-50RXN	50		30%
EC600-250RXN	250		40%
EC700-10RXN	10	GenElute™-E Organic Solvent DNA Cleanup Kit	20%
EC700-50RXN	50		30%
EC700-250RXN	250		40%
EC800-10RXN	10	GenElute™-E Single Spin RNA Cleanup Kit	20%
EC800-50RXN	50		30%
EC800-250RXN	250		40%
EC111-100ML		GenElute™-E Tissue Stabilizer	20%
EC111-500ML			30%
EC222-1EA		GenElute™-E RNA Gel Loading Buffer	20%
EC222-5EA			30%
EC9999-1EA		GenElute™-E Single Spin Cap Puncher	

Waste prevention



55% reduction of the consumption of plastic consumables (tubes, pipet tips) compared to silica-based kits

Sustainable packaging



Sustainable forestry certification and more than 70% of recycled content in packaging. Starch-based, compostable bags for kit components

Better usability

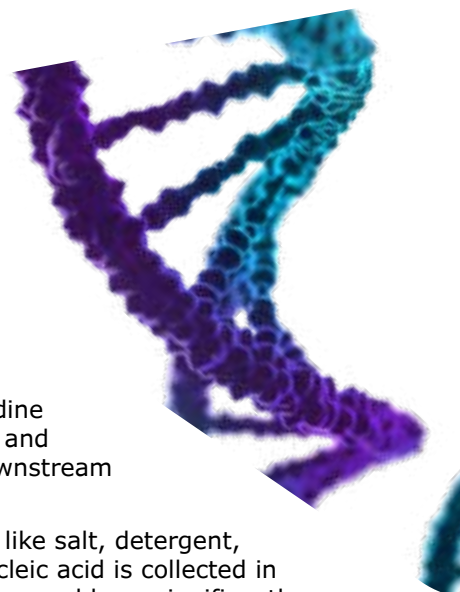


Simplified workflow with fewer steps

Safer disposal



No hazardous liquid waste by eliminating bind and wash steps containing ethanol and chaotropic salts



GenElute™ kits

Our classical GenElute kits provide time-tested, efficient DNA purification with high yields and purity, using a simple silica spin-column format ideal for standard molecular biology applications.

Ordering Information

Part No.	Purifications	Product Description	Discount
PNL70-1KT PNL350-1KT	70 350	GenElute™-Plasmid Miniprep Kit	30% 40%
NA0300-1KT NA0310-1KT	10 25	GenElute™-HP Plasmid Maxiprep Kit	20% 30%
NA2100-1KT NA2110-1KT NA2120-1KT	10 70 350	GenElute™-Bacterial Genomic DNA Kit	20% 30% 40%
G2N10-1KT G2N70-1KT G2N350-1KT	10 70 350	GenElute™-Plant Genomic DNA Miniprep Kit	20% 30% 40%
RTN10-1KT RTN70-1KT RTN350-1KT	10 70 350	GenElute™-Mammalian Total RNA Miniprep Kit	20% 30% 40%
G1N10-1KT G1N70-1KT G1N350-1KT	10 70 350	GenElute™-Mammalian Genomic DNA Miniprep Kits	20% 30% 40%

CoolCaddy™ - New!

CoolCaddy™ keeps your reagents and samples cool on the lab bench without using crushed ice. Simply store your CoolCaddy™ overnight in any standard freezer and it's ready to hold temperatures between 2° and 4°C for up to 5 hours. Tubes, plates, strips and multi-channel reservoir solutions can all be kept cool while you perform your experiments.

Features and Benefits

- Maintains 2-4°C for up to 5 hours
- Keeps samples cool, but not frozen
- Accommodates several different vessel types
- 1.5/2.0mL Microtubes: 9 Tubes
- 2.0mL Cryotubes: 8 Tubes
- 0.5mL Microtubes: 5 Tubes
- PCR Plates: 1 Plate
- PCR Tubes: 96 Tubes or 12 Strips
- Reservoirs: 1 x 50mL Reservoir



Ordering Information

MTC4015 MTC™ Bio CoolCaddy™ Cold Station

Use promo code **VALUE** until 31.12.2025 when requesting offer from:

Israel Customer Excellence
Email: isrcustserv@merckgroup.com
Phone: 08-9484-100
Sigma-Aldrich Israel

Explore our complete range of greener alternatives at:
SigmaAldrich.com/greenerchemistry

To learn more about GenElute™-E DNA & RNA purification kits, visit
SigmaAldrich.com/greener-nap

