

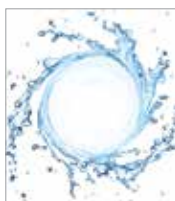
Introducing our July/August edition of Monthly Savings – we continue to offer discounted savings on our Analytical, Biology, Chemistry and Labware ranges of products.

Please mention **Promotion Code HSL** during the months of **July & August** to take advantage of the savings offered, to view our extended product ranges please visit sigma-aldrich.com/savings



ANALYTICAL

HPLC: LC-MS Ultra Solvents



Sigma-Aldrich recently introduced the new CHROMASOLV® LC-MS Ultra product line, providing an outstanding quality and an ultra pure mobile phase that offers advantages such as:

- Specific testing to UHPLC applications
- Positive and negative ion mode testing for all MS applications
- Extremely small drift in UHPLC gradient analysis
- The most narrow and consistent specifications

For more information, please visit: sigma-aldrich.com/uhplc

Product No.	Product Description
14261-1L, 2L	Acetonitrile, LC-MS Ultra CHROMASOLV, ≥99.9%, tested for UHPLC-MS
14262-1L, 2L	Methanol, LC-MS Ultra CHROMASOLV, ≥99.9%, tested for UHPLC-MS
14263-1L, 2L	Water, LC-MS Ultra CHROMASOLV, tested for UHPLC-MS
14265-1ML, 2ML	Formic acid, LC-MS Ultra eluent additive, ≥ 98% suitable for UHPLC-MS
14266-25G	Ammonium formate, LC-MS Ultra eluent additive, suitable for UHPLC-MS, 25 g
14267-25G	Ammonium acetate, LC-MS Ultra eluent additive, suitable for UHPLC-MS, 25 g

30%
Off

ATIS - Adsorbent Tube Injector System

The ATIS provides a quick and efficient way to transfer calibration standards or samples onto an adsorbent tube or into a gas sampling bag.

To read more log on to sigma-aldrich.com/atis



Product No.	Product Description
28521-U	ATIS system, 220V
20668	Half-hole septa (6mm O.D. x 9mm L)
22445-U	Gas purifier
22393	Ferrules, 6mm, Supeltex® M-2A, black
22320-U	Ferrules, 1/4in., Supeltex M-2, orange
29024-U	Ferrules, 1/4in., PTFE, white

15%
Off

Sample Handling - Fritted/Barcoded TD tubes

These thermal desorption glass tubes are designed to fit DANI, Markes, OI Analytical, Shimadzu and other instruments using 3.5" (89 mm) length x 1/4" (6.35 mm) O.D tubes. The frit ensures better adsorbent bed integrity; the barcode provides simpler tracking and documentation.

All packed tubes are delivered in the unique TDS³ storage container.

For further information visit sigma-aldrich.com/air_monitoring



Product No.	Product Description
29530-U	Tenax® TA Fritted 89 mm Glass TD Tube, w/TDS ³
29532-U	Carbotrap 300 Fritted 89 mm Glass TD Tube, w/TDS ³
29535-U	Carbopack™ B Fritted 89 mm Glass TD Tube, w/TDS ³
29537-U	Carbopack X Fritted 89 mm Glass TD Tube, w/TDS ³
29534-U	Carboxen™ 569 Fritted 89 mm Glass TD Tube, w/TDS ³
29531-U	Carbotrap™ 217 Fritted 89 mm Glass TD Tube, w/TDS ³
29538-U	Empty Fritted 89 mm Glass TD Tube

15%
Off

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Analytical High Performance Products

Thermal Desorption Tubes from Supelco



Supelco® produces a comprehensive selection of adsorbent tubes—Carbotrap™ tubes—offering superior performance for trapping and thermally desorbing organic compounds. An ideal adsorbent tube will trap and retain compounds of interest for the entire sampling period, then allow total analyte desorption without thermal decomposition. The rate of

release should be as rapid as possible to minimize analysis time and provide the most efficient separation. Stable adsorbents ensure the best detection limits by minimizing the possibility of breakdown products interfering with quantification. Tubes are available for the most common thermal desorption instruments, for example DANI, Perkin Elmer and Shimadzu.

To learn more visit sigma-aldrich.com/thermaldesorption

LC-MS Ultra Pre-Mixed Blends



Sigma-Aldrich introduces the new CHROMASOLV® LC-MS Ultra pre-mixed blends, that provide consistency and convenience at the highest quality level.

- Offers convenience and consistent quality
- Tested both in gradient and MS applications
- Come in borosilicate bottles with GL 45 thread, no need to change the connection to the HPLC
- Most used UHPLC-MS solvent-additive blends available.

We ensure UHPLC suitability, achieved by considering parameters of the preparation process far beyond filtration.

For more information, please visit: sigma-aldrich.com/uhplc



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Supel Tox SPE for Mycotoxin Analysis: 15% Introductory offer



Designed specifically for mycotoxin extraction, Supel™Tox SPE tubes are now available to be evaluated in a special introductory offer. Basic and simple methodology enables fast and efficient interference removal for sensitive and highly reproducible analyses of mycotoxins. Read sigma-aldrich.com/supeltox to learn more about this new product.

15% Off

Product No.	Product Description
55307-U	PK25 Supel Tox Trichobind Cartridge, LRC
55308-U	PK30 Supel Tox Tricho Cartridge, 6ml
55314-U	PK30 Supel Tox Alfazea Cartridge, 6ml
55315-U	PK25 Supel Tox Fumonibind Cartridge, LRC
55316-U	PK30 Supel Tox Don Cartridge, 6ml
55318-U	PK25 Supel Tox Ochrabind Cartridge, LRC

Ion Pair Reagents

Fluka® IPC reagents are of highest purity, exhibiting minimal extinction in the low UV even at high concentrations. In addition, an efficient filter test for the absence of insoluble matter is performed, plus a gradient suitability test is run on each batch prior to release. Due to this Fluka IPC reagents ensure reliable IPC separations with high sensitivity. Visit sigmaaldrich.com/ipc to learn more.



Product No.	Product Description
52862-2.5G-F, 10G-F, 50G-F	Sodium 1-hexanesulfonate monohydrate, ≥99.0%
74882-10G-F, 50G-F	Sodium 1-octanesulfonate monohydrate, ≥99.0%
87724-10G-F, 50G-F	Tetramethylammonium hydrogensulfate, ≥99.0%
86853-10G-F, 50G-F	Tetrahexylammonium hydrogensulfate, ≥99.0%
87299-5G-F, 25G-F	Tetrahexylammonium hydrogensulfate ≥ 99.0%

30% Off

Vials Convenience Kits



Save money by ordering these useful 2 ml Vials Convenience Kits for your lab.

For further information visit: sigma-aldrich.com/vials

Product No.	Product Description
29056-U	PTFE/red rubber septum, 100pcs., Blue or Black PP Caps
29057-U	PTFE/silicone septum, 100pcs., Blue or Black PP Caps
29064-U	With marking spot and PTFE/red rubber septum, 100pcs., Clear PP Caps
29386-U	With marking spot and PTFE/silicone septum, 100pcs., Blue or Black PP Caps
29384-U	With marking spot and PTFE/silicone septum with slit, 100pcs., Clear PP Caps

20% Off

*All vials featured are clear glass vials with exception to 29386-U which is amber glass

Product No.	Product Description
Z683779-1EA	Eppendorf® Research® plus pipette, variable volume volume 0.1-2.5 µL
Z683787-1EA	Eppendorf® Research® plus pipette, variable volume volume 0.5-10 µL
Z683809-1EA	Eppendorf® Research® plus pipette, variable volume volume 10-100 µL
Z683825-1EA	Eppendorf® Research® plus pipette, variable volume volume 100-1000 µL
Z683833-1EA	Eppendorf® Research® plus pipette, variable volume volume 500-5000 µL
Z683841-1EA	Eppendorf® Research® plus pipette, variable volume volume 1000-10,000 µL

20% Off

LABWARE

20% off Eppendorf Research Plus pipettes



The ultra light Eppendorf Research plus pipette meets the highest needs in precision and accuracy—combined with ultimate ergonomics and increased flexibility. The pipette features a spring loaded tip cone, a secondary calibration option, an improved volume display and is fully autoclavable.

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BIOLOGY



Cell Culture Serum / Media / Reagents

Product No.	Product Description	Discount
D1408-500ML	DPBS 10x, Modified, without calcium chloride and magnesium chloride, liquid, sterile-filtered, cell culture tested	87%
F7524-500ML	Fetal Bovine Serum sterile-filtered, non-USA origin, cell culture tested	62%
H9394-500ML	HBSS Modified, with sodium bicarbonate, without calcium chloride and magnesium sulfate, liquid, sterile-filtered, cell culture tested	90%
H6648-500ML	HBSS Modified, with sodium bicarbonate, without phenol red, calcium chloride and magnesium sulfate, liquid, sterile-filtered, cell culture tested	91%
H8889-100ML	Histopaque®-1077 Hybri-Max™ liquid, sterile-filtered, hybridoma tested	35%
M4655-500ML	MEM Eagle With Earle's salts, L-glutamine and sodium bicarbonate, liquid, sterile-filtered, cell culture tested	89%
M7145-100ML	MEM Non-essential Amino Acid Solution (100x) liquid, without L-glutamine, sterile-filtered, cell culture tested	78%
R0883-500ML	RPMI-1640 Medium With sodium bicarbonate, without L-glutamine, liquid, sterile-filtered, cell culture tested	93%
T4049-100ML	Trypsin-EDTA solution 0.25%, 2.5 g porcine trypsin and 0.2 g EDTA · 4Na per liter of Hanks' Balanced Salt Solution with phenol red, sterile-filtered, cell culture tested	84%
T3924-100ML	Trypsin-EDTA solution 1 x, 0.5 g porcine trypsin and 0.2 g EDTA · 4Na per liter of Hanks' Balanced Salt Solution with phenol red., sterile-filtered, cell culture tested	85%

up to
93%
Off

Inhibitors / Inhibitor Cocktails

Product No.	Product Description	Discount
P2714-1BTL	Protease Inhibitor Cocktail for general use	16%
P8340-1ML	Protease Inhibitor Cocktail for use with mammalian cell and tissue extracts	15%

up to
75%
Off

Taq Enzyme / dNTP's

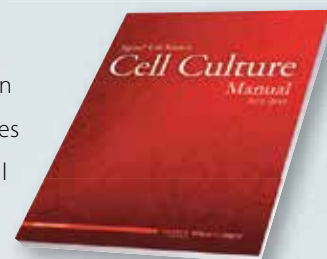
Product No.	Product Description	Discount
D7295-.5ML	Deoxynucleotide Mix, 10 mM Molecular Biology Reagent	76%
DNTP100A-1KT	Deoxynucleotide Set, 100 mM, 1.0 ML each	76%
D4309-250UN	REDTaq® DNA Polymerase	86%
R2523-100RXN	REDTaq® ReadyMix™ PCR Reaction Mix	89%
D1806-250UN	Taq DNA Polymerase from <i>Thermus aquaticus</i> with 10x reaction buffer containing MgCl ₂ , recombinant, expressed in <i>Escherichia coli</i>	86%
D4545-250UN	Taq DNA Polymerase from <i>Thermus aquaticus</i> with 10x reaction buffer without MgCl ₂	86%

up to
90%
Off

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Agar / Agarose / Acrylamide

Product No.	Product Description	Discount
A5093-500G	Agarose Low EEO, for molecular biology	70%
A9539-500G	Agarose Molecular biology reagent	84%
A9539-100G	Agarose Molecular biology reagent	76%
P9424-5ML	Protein A-Sepharose® 4B, Fast Flow from Staphylococcus aureus aqueous ethanol suspension	15%
P3391-250MG	Protein A-Sepharose® from Staphylococcus aureus	15%

up to
84%
Off

Antibiotics / Buffers / Buffer Salts

Product No.	Product Description	Discount
A9415-2MG	Actinomycin D ≥95%, from Streptomyces sp., cell culture tested	76%
A0166-25G	Ampicillin sodium salt BioReagent, cell culture tested	76%
A5955-100ML	Antibiotic Antimycotic Solution (100×), Stabilized sterile-filtered, with 10,000 units penicillin, 10 mg streptomycin and 25 µg amphotericin B per mL, cell culture tested	36%
C7039-1G	Cefotaxime sodium salt plant cell culture tested, ~95%, powder	15%
H3274-250MG	Hygromycin B from Streptomyces hygroscopicus, cell culture tested, insect cell culture tested	75%
P4333-100ML	Penicillin-Streptomycin Solution stabilized, sterile-filtered, with 10,000 units penicillin and 10mg streptomycin/mL, cell culture tested	86%
H3375-1KG	HEPES ≥99.5%	75%
M8250-100G	MES hydrate ≥99.5%	76%
M1254-250G	MOPS ≥99.5%	76%
P3813-10PAK	PBS pH 7.4	65%
T1503-5KG	Trizma® base, ≥99.9%	81%

up to
95%
Off

Detergents / Life Science Reagents

Product No.	Product Description	Discount
C3023-25G	CHAPS ≥98%	77%
T9284-500ML	Triton® X-100 BioXtra	76%
P7949-500ML	TWEEN® 20 BioXtra	65%
T9281-50ML	TEMED BioReagent, suitable for electrophoresis, ~99%	76%
T9424-200ML	TRI Reagent® For processing tissues, cells cultured in monolayer or cell pellets	79%

up to
95%
Off

** Please note full selection of Biology discounts can be found on our webpage.

LABWARE

35% discount on IKA® ULTRA-TURRAX® tube disperser workstation system



Unique and universal dispersing, stirring, homogenizing and grinding system with hermetically sealable disposable sample tubes. Protection and security for: Infectious sample materials, toxic substances, high-odour substances under defined conditions (time, energy, volume).

Product No.	Product Description
Z722456EU-1EA	Tube Drive Workstation, 230V, 1/cs
Z722456GB-1EA	Tube Drive Workstation, 230V, 1/cs

35%
Off

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AVAILABLE COLOR FAMILIES

R Red
 (Show)

G Green
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UNIQUE PROPERTIES RANGE SELECTORS

Max. LUM
Max. Luminance (Cd/m²): 100 — 1,000 - 24,000 Cd/m² — 50,000

Max. EQE
External Quantum Efficiency (%): 0.05 — 5 - 17% — 19

TOV
Turn-On Voltage (V): 2 — 3 - 6 V — 10

SELECTION INFORMATION 42 Configurations Available in 3 Colors: Red, Orange Red, Green

GREEN

Max. LUM 20,000 Cd/m²

Max. EQE 1.2%

TURN-ON V. 2.8 V

LIFETIME n/a

CATHODE (-)	MOJF
ETL	BPhen
EML	Abs _n
HTL	NPD, NPBI
ANODE (+)	MoO ₃ /ITO

REFERENCES
Appl. Phys. Lett. 95, 55301 (2011)



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sh0954

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50574

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sh5959

CHEMISTRY

Acids & Bases

Product No.	Product Description
33209-2.5L	Acetic acid, puriss. p.a., ACS reagent, reagent grade, ISO, reagent grade, Ph. Eur., ≥99.8%
30501-1L	Ammonium hydroxide solution, puriss. p.a., reagent grade, ISO, reagent grade, Ph. Eur., ~25% NH ₃ basis
30721-2.5L	Hydrochloric acid, puriss. p.a., ACS reagent, reagent grade, ISO, reagent grade, Ph. Eur., fuming, ≥37%, APHA ≤10
30709-2.5L	Nitric acid, puriss. p.a., reagent grade, ISO, reagent grade, Ph. Eur., for determinations with dithizone, ≥65%
484016-1KG	Potassium hydroxide, reagent grade, 90%, flakes
30620-6X1KG-R	Sodium hydroxide, puriss. p.a., ACS reagent, reagent grade, Ph. Eur., K ≤0.02%, ≥98%, pellets

up to
80%
Off

Anhydrous Solvents

Product No.	Product Description
296309-100ML	1,4-Dioxane, anhydrous, 99.8%
270997-100ML	Dichloromethane, anhydrous, ≥99.8%, contains 50-150 ppm amylene as stabilizer
31685-250ML	Diethyl ether, puriss., dried over molecular sieve (H ₂ O ≤0.005%), ≥99.8% (GC)
227056-100ML	N,N-Dimethylformamide, anhydrous, 99.8%
270970-100ML	Pyridine, anhydrous, 99.8%
87371-250ML	Tetrahydrofuran, absolute, over molecular sieve (H ₂ O ≤0.005%), contains ~0.025% 2,6-di-tert-butyl-4-methylphenol as stabilizer, ≥99.5% (GC)

up to
50%
Off

Inorganics / Organics

Product No.	Product Description
56750-500G	Imidazole, puriss. p.a., ≥99.5% (GC)
209139-25G	Silver nitrate, ACS reagent, ≥99.0%
31434-1KG-R	Sodium chloride, puriss. p.a., ACS reagent, reagent grade, ISO, reagent grade, Ph. Eur., ≥99.8%
30427-1KG	Sodium phosphate dibasic, puriss. p.a., ACS reagent, buffer substance, anhydrous, ≥99%
T0886-1L	Triethylamine, ≥99%
T0886-1L	Triethylamine, ≥99%

up to
70%
Off

Catalysts and Inorganic Chemistry

Product No.	Product Description
412740-5G	Bis(triphenylphosphine)palladium(II)dichloride, ≥99%
205885-1G	Palladium(II)chloride, ReagentPlus®,
176435-25G	Silvertrifluoromethanesulfonate, ≥99%
328774-5G	Tris(dibenzylideneacetone)dipalladium(0), 97%
209988-100G	Zinc,dust, <10 μm, ≥98%

up to
30%
Off

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Organometallic Reagents

Product No.	Product Description
473294-25G	Bis(pinacolato)diboron, 99%
473294-5G	Bis(pinacolato)diboron, 99%
189898-100ML	Methylmagnesiumbromide solution, 3.0M in diethyl ether
189901-800ML	Methylmagnesiumchloride solution, 3.0M in THF
198048-100ML	Trimethylaluminum solution, 2.0 M in toluene

30%
Off

Synthetic Reagents and Specialty Synthesis

Product No.	Product Description
A29585-100G	Allylbromide, ReagentPlus®, 99%, contains ≤1000 ppm propylene as stabilizer
175501-100ML	Borontrifluoridediethyletherate, for synthesis
440272-100ML	Dichlorodimethylsilane, ≥99.5%
391956-100ML	Dimethylamine solution, 2.0M in THF
227439-25G	Lawesson reagent, 97%
199877-100G	Lithiumaluminum hydride, powder, reagent grade, 95%
71320-100G	Sodium borohydride ≥96% (gas-volumetric)
71320-500G	Sodium borohydride ≥96% (gas-volumetric)

30%
Off

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Product No.	Product Description
Z645737-1EA	Stuart® melting point apparatus SMP10 - AC input 230 V
Z675407-1ea	Stuart® melting point apparatus SMP30 AC input 230 V
Z676217-1ea	Stuart® SMP40 automatic melting point apparatus AC input 230 V

15%
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