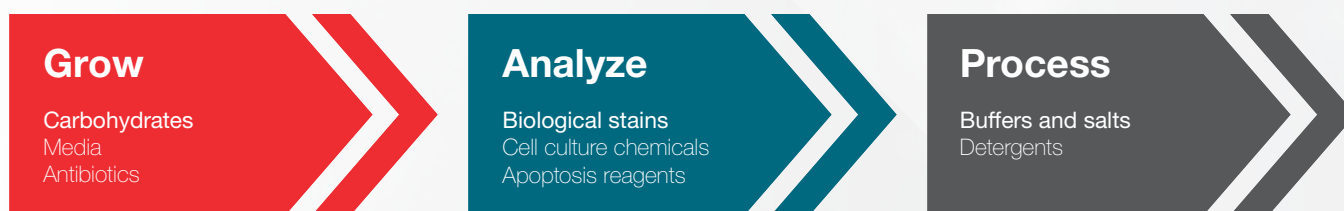


Chemicals

Cell culture workflow

growth, analysis, processing

Cell culture workflow



Cell culture is an essential step in cell biology. Life science researchers rely on controlled conditions to grow the cells. Various chemicals and reagents are needed to mimic/manipulate natural environment and to extract biomolecules from cells for further analysis in genomics/proteomics etc.

Our products can support every step of the cell culture workflow; from growth to analysis and on to processing. Our portfolio includes a variety of chemicals and reagents to support three major part of the cell biology workflow:

Growth: cell growth media components like agar, carbohydrates and antibiotics.

Analysis: cell culture chemicals, biological stains and apoptosis reagents that can be used to analyze the cells like microscopy/histology and cellular assays.

Processing: buffers, salts and detergents for processing the grown cells to extract biomolecules like DNA, RNA, lipids and metabolites to be used in downstream applications like genomics/proteomics/lipidomics and metabolomics.

Carbohydrates

VWR Cat. No.	Description	Pack Size	Workflow Step	
ALFAA17730	Cellulose, microcrystalline	10000 g, 2500 g, 500 g	Grow	Upstream
ALFA13236	D(-)-Ribose, 99+%	5 g, 25 g, 100 g, 500 g	Grow	Upstream
ALFA10846	D(+)-Cellobiose, 98%	5 g, 25 g, 100g , 500 g	Grow	Upstream
ALFA15061	D(+)-Galactose, 99+%	1 kg, 5 kg, 25 kg, 100 kg, 500 kg	Grow	Upstream
ALFAA16828	D-(+)-Glucose, anhydrous, 99%	10000 g, 2500 g, 500 g	Grow	Upstream
ALFA15060	D(+)-Mannose, 99+%	1 kg, 2.5 kg, 25 kg, 100 kg	Grow	Upstream
ALFAJ21060	D-(+)-Raffinose pentahydrate, Thermo Scientific	100 g, 500 g, 1 kg	Grow	Upstream
ALFA18255	D(+)-Trehalose dihydrate, 99%	2.5 kg, 25 kg, 100 kg, 500 kg	Grow	Upstream
ALFAJ14489	Dextran sulfate sodium salt, Thermo Scientific	10 g, 50 g, 100 g	Grow	Upstream
ALFAA14030	D-Mannitol, 97+%	1000 g, 5000 g, 250 g	Grow	Upstream
ALFA13273	D-Sorbitol, 97%	1 kg, 2.5 kg, 5 kg, 10 kg, 100 kg, 500 kg	Grow	Upstream
ALFAJ16445	Glycogen, from oysters, Ultrapure, Thermo Scientific	5 g, 25 g, 100 g	Grow	Upstream
ALFA23537	Inositol hexaphosphoric acid, 50 wt% aqueous solution	1 L, 2.5 L, 250 mL	Grow	Upstream
ALFA10498	L(+)-Arabinose, 99+%	25 g, 100 g, 500 g	Grow	Upstream
ALFA17408	L(+)-Rhamnose monohydrate, 99%	25 g, 100 g, 500 g	Grow	Upstream
ALFAJ66491	Maltotriose, 98%	1 g, 5 g	Grow	Upstream

Buffers and salts

VWR Cat. No.	Description	Pack Size	Workflow Step	
ALFA16887	2,2-Bis(hydroxymethyl)-2,2',2''-nitrilotriethanol, 99+%	2.5 kg, 100 g, 500 g	Process	Downstream
ALFA21497	Cacodylic acid, sodium salt trihydrate, 98%, pure	10 g, 25 g, 100 g, 500 g	Process	Downstream
ALFAJ16405	Glycine, 98.5-101.5% (dry basis), Thermo Scientific	1 kg, 5 kg, 25 kg	Process	Downstream
ALFAJ60712	HEPES, 1.0M buffer soln., pH 7.5	250 mL, 500mL	Process	Downstream
ALFA17257	HEPES, 99%, for biochemistry	1 kg, 5 kg, 25 kg, 100 kg, 250 kg	Process	Downstream
ALFAJ62623	HEPES-buffered saline, pH 7.0 (2X for transfection)	250 mL, 500 mL	Process	Downstream
ALFAJ17525	Imidazole, 98.5+% (dry basis), Ultrapure, Thermo Scientific	100 g, 500 g, 1 kg, 5 kg, 10 kg	Process	Downstream
ALFAJ67795	Krebs-Ringer Solution, HEPES-buffered	500 mL, 1 L	Process	Downstream
ALFA17259	MES hydrate, 99+%, for biochemistry	2.5 kg, 25 g, 100 g, 500 g	Process	Downstream
ALFAA12914	MOPS, 99%	25 g, 100 g, 500 g	Process	Downstream
ALFAJ67653	Phosphate-buffered saline (DPBS, 10X), Dulbecco's formula, without calcium, without magnesium	500 mL, 1 L	Process	Downstream
ALFAJ67802	Phosphate-buffered saline (DPBS, 1X), Dulbecco's formula, without calcium, without magnesium	500 mL, 1 L	Process	Downstream
ALFAJ62036	Phosphate-buffered saline (PBS, 10X), pH 7.4	1 L, 2 L, 4 L	Process	Downstream
ALFAJ62851	Phosphate-buffered saline (PBS, 10X), RNase free	250 mL, 500 mL	Process	Downstream
ALFAJ61196	Phosphate-buffered saline (PBS, 1X), sterile-filtered	500 mL	Process	Downstream
ALFAJ62990	RBC lysis buffer for human	250 mL, 500 mL	Process	Downstream
ALFAJ22561	Tricine, 98.5+% (dry basis), Ultrapure, Thermo Scientific	100 g, 500 g, 1 kg	Process	Downstream
ALFA32734	Tris EDTA buffer, for molecular biology, DNase, RNase, Protease free ready to use, pH 8.0	500 mL	Process	Downstream
ALFA22803	Tris(hydroxymethyl)aminomethane hydrochloride, 99+%, extra pure	1 kg, 5 kg, 100 g, 250 g	Process	Downstream
ALFA14050	Tris(hydroxymethyl)aminomethane, 99+%, for biochemistry	1 kg, 2.5 kg, 10 kg, 500g	Process	Downstream
ALFAJ62938	TRIS-buffered saline (TBS, 10X) pH 7.4, for Western blot	1 L, 2 L, 4 L	Process	Downstream

Cell culture media

VWR Cat. No.	Description	Pack Size	Workflow Step	
ALFAH26724	Agar, plant cell culture tested	2500 g, 100 g, 500 g	Grow	Upstream
ALFAJ10654	Agar, Thermo Scientific	1 lb, 5 lb, 25 lb	Grow	Upstream
ALFAJ64655	Albumin, Bovine, Fraction V, 97%, Standard Grade, pH 7.0	10 g, 50 g, 100 g, 250 g, 1 kg	Grow	Upstream
ALFAJ63423	Gellan Gum	250 g, 1 kg	Grow	Upstream
ALFAJ61525	LB Agar plate, plain	20 plates	Grow	Upstream
ALFAJ75851	LB Agar, Ready-Made Powder, Thermo Scientific	1 kg	Grow	Upstream
ALFAJ75852	LB Broth, Ready-Made Powder, Thermo Scientific	250 g, 1 kg	Grow	Upstream
ALFAJ75854	Luria Broth (LB), Ready-Made Powder, Thermo Scientific	1 kg	Grow	Upstream
ALFAJ75856	Terrific Broth, Ready-Made Powder, Ultrapure, Thermo Scientific	1 kg	Grow	Upstream
ALFAH26769	Yeast Extract	100 g, 500 g	Grow	Upstream
ALFAH26271	Yeast Nitrogen Base, without amino acids, without ammonium sulfate	100 g, 500 g	Grow	Upstream

Cell culture chemicals

VWR Cat. No.	Description	Pack Size	Workflow Step	
ALFAJ66650	Dimethyl sulfoxide, Bioreagent	50 mL, 100 mL, 250 mL, 500 mL, 1 L	Analyze	Downstream
ALFAJ21486	DL-Serine, non-animal, 98.5+%, Thermo Scientific	100 g, 1 kg	Grow	Upstream
ALFAJ60401	Formaldehyde, 4% in PBS	250 mL, 500 mL	Analyze	Downstream
ALFA44709	N,N-Dimethylformamide, 99.9%, for biochemistry, AcroSeal™	1 L, 2.5 L	Analyze	Downstream
ALFAJ61899	Paraformaldehyde, 4% in PBS	250 mL, 500 mL	Analyze	Downstream
ALFA043728	Polyvinylpyrrolidone, M.W. 1,300,000	50 g, 250 g, 1 kg	Analyze	Downstream
ALFAJ62417	Polyvinylpyrrolidone, M.W. 40,000	100 g, 500 g, 1 kg	Analyze	Downstream
ALFA44781	Sodium azide, 99+%, for biochemistry	25 g, 100 g, 500 g	Process	Downstream

Apoptosis

VWR Cat. No.	Description	Pack Size	Workflow Step	
ALFAJ63522	Antimycin A	5 mg, 10 mg	Analyze	Downstream
ALFAJ62340	Brefeldin A, 99%	10 mg, 25 mg, 50 mg	Analyze	Downstream
ALFAJ62523	Camptothecin	1 g, 5 g, 250 mg	Analyze	Downstream
ALFAJ60433	Carboplatin	1 g, 5 g	Analyze	Downstream
ALFA22712	Colchicine, 97%	1 g, 5 g, 25 g, 500 mg	Analyze	Downstream
ALFAJ60174	Docetaxel, 99%	1 g, 100 mg, 500 mg	Analyze	Downstream
ALFAJ64000	Doxorubicin hydrochloride	10 mg, 50 mg	Analyze	Downstream
ALFA11774	Ellagic acid, 97%	2.5 g, 10 g, 50 g	Analyze	Downstream
ALFAH26425	Hypericin, 98%	5 g, 25 g, 25 mg, 100 mg	Analyze	Downstream
ALFAJ60373	Kaempferol, 98+%	10 mg, 50 mg	Analyze	Downstream
ALFAJ62452	Melatonin, 99+%	5 g, 25 g	Analyze	Downstream
ALFAJ63193	Mitomycin C	5 mg, 1 mg, 10 mg	Analyze	Downstream
ALFAJ64206	N,N,N',N'-Tetrakis-(2-pyridylmethyl)ethylenediamine	300 mg, 100 mg	Analyze	Downstream
ALFA45613	Oxaliplatin, 99%	100 mg	Analyze	Downstream
ALFAJ62734	Paclitaxel, 99.5+%	1 g, 100 mg, 500 mg	Analyze	Downstream
ALFAJ61707	Suramin hexasodium salt, 98+%	1 g, 250 mg, 500 mg	Analyze	Downstream
ALFAJ63509	Tamoxifen, 98%	1 g, 5 g, 500 mg	Analyze	Downstream

Antibiotics

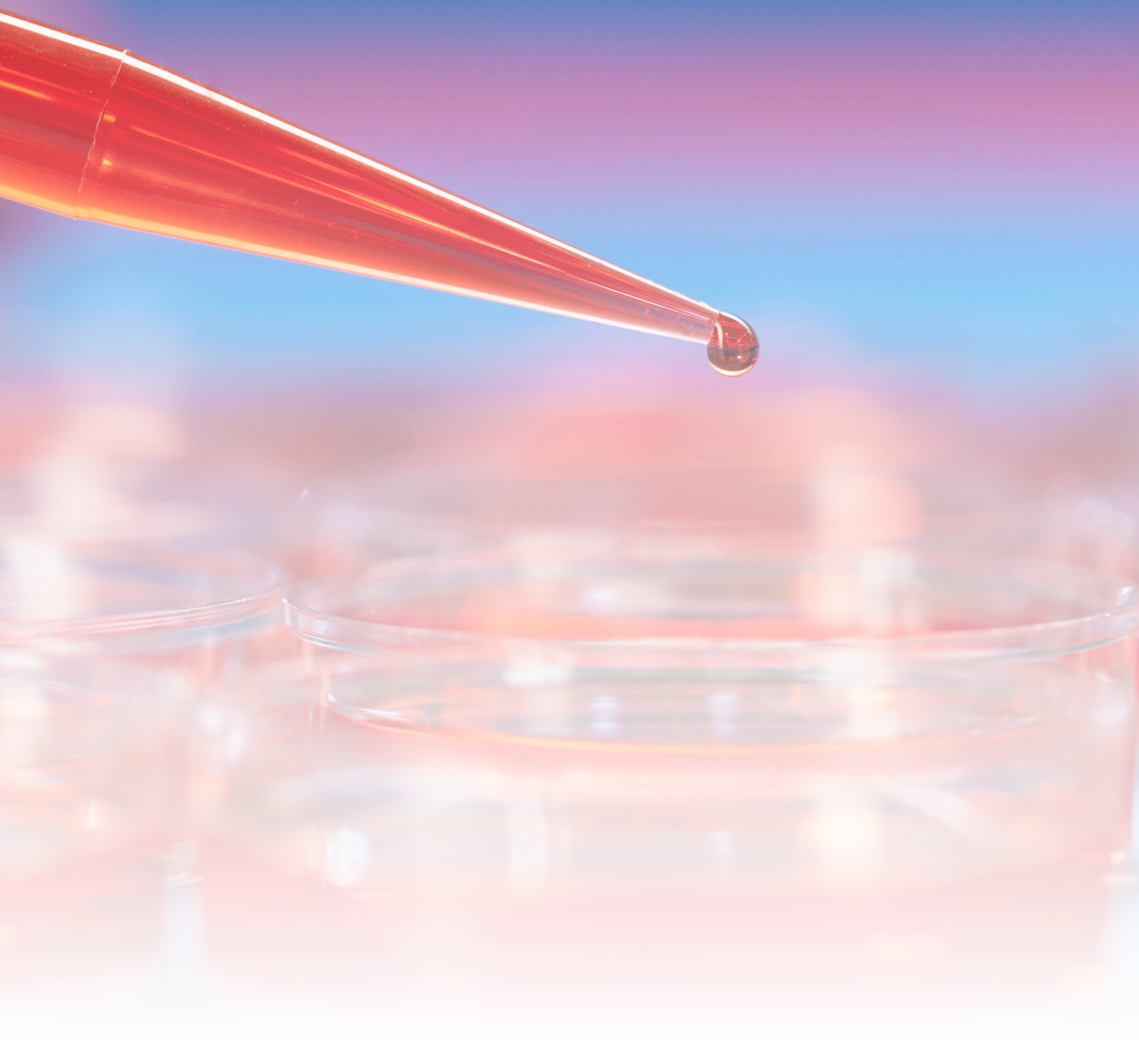
VWR Cat. No.	Description	Pack Size	Workflow Step	
ALFAB20841	(R,R)-Chloramphenicol, 99+%	25 g, 100 g	Grow	Upstream
ALFA25771	4-Epioxytetracycline, 'can be used as secondary standard'	100 mg	Grow	Upstream
ALFA23312	4-Epitetracycline hydrochloride, 'can be used as a secondary standard'	100 mg, 500 mg	Grow	Upstream
ALFA23313	Anhydrotetracycline hydrochloride, 'can be used as a secondary standard'	100 mg, 500 mg	Grow	Upstream
ALFAJ61949	Carbenicillin disodium salt	1 g, 5 g, 25 g	Grow	Upstream
ALFA22792	Chloramphenicol, 98%	25 g, 100 g, 500 g	Grow	Upstream
ALFA35742	Cycloheximide, 95%	1 g, 5 g, 25 g	Grow	Upstream
ALFA22848	D-Cycloserine, 98%	1 g, 5 g, 25 g	Grow	Upstream
ALFA11868	Ethylmercurithiosalicylic acid, sodium salt, 97.0-101.0%	5 g, 25 g, 100 g, 500 g	Grow	Upstream
ALFAJ60681	Hygromycin B	1g, 100 mg, 250 mg	Grow	Upstream
ALFAJ17924	Kanamycin sulfate, Ultrapure, Thermo Scientific	5 g, 25 g	Grow	Upstream
ALFA22694	Mitomycin C, contains 2 mg Mitomycin C and 48 mg NaCl	2 mg	Grow	Upstream
ALFAJ62427	Oxytetracycline, 96%	10 g, 50 g, 100 g	Grow	Upstream
ALFAJ67236	Puromycin, 10 mg/ml in distilled water, sterile-filtered	*5 x 1 mL, 1 mL	Grow	Upstream
ALFAJ62473	Rapamycin, 99+%	200 mg, 100 mg, 50 mg	Grow	Upstream
ALFAJ61820	Spectinomycin dihydrochloride pentahydrate, Cell Culture Grade	5 g, 25 g	Grow	Upstream
ALFA13285	Sulfanilamide, 98%	2.5 kg, 100 g, 500 g	Grow	Upstream
ALFAJ62790	Vancomycin hydrochloride, Molecular Biology Grade	1 g, 5 g	Grow	Upstream
ALFAJ67140	Zeocin™ 100 mg/ml in HEPES, sterile-filtered	*5 x 1 mL, 1 mL	Grow	Upstream

Biological stains

VWR Cat. No.	Description	Pack Size	Workflow Step	
ALFA22790	Acid Fuchsin, pure, high purity biological stain	25 g, 100 g, 500 g	Analyze	Downstream
ALFA22966	Aniline Blue, sodium salt, pure, water soluble, high purity biological stain	25 g, 100 g	Analyze	Downstream
ALFAA12952	Basic fuchsin	5 g, 25 g, 100 g	Analyze	Downstream
ALFA22959	Brilliant cresyl Blue, pure, high purity biological stain	10 g, 25 g	Analyze	Downstream
ALFA22960	Brilliant Green, pure, high purity biological stain	100 g, 500 g	Analyze	Downstream
ALFA19020	Carmin, pure, high purity biol.stain, alum lake of carminic acid	5 g, 25 g, 100 g	Analyze	Downstream
ALFA15323	Giemsa Stain, pure, high purity biological stain	5 g, 25 g	Analyze	Downstream
ALFA19168	Janus Green B, pure, high purity biological stain	5 g, 25 g	Analyze	Downstream
ALFAB23330	Light green SF Yellowish	10 g, 50 g	Analyze	Downstream
ALFA61185	Light Green SF, Yellowish, pure, Certified biological stain	25 g	Analyze	Downstream
ALFA18948	Nigrosine, pure, water soluble, high purity biological stain	25 g, 100 g	Analyze	Downstream
ALFA22982	Orange G, 85+%, pure, high purity biological stain	25 g, 100 g	Analyze	Downstream
ALFA22788	Pararosaniline chloride, pure, high purity biological stain	5 g, 25 g, 100 g, 500 g	Analyze	Downstream
ALFA18947	Phloxine B, 85%, pure, high purity, Biological stain	5 g, 25 g	Analyze	Downstream
ALFA20010	Pyronin Y, pure, high purity biological stain	1 g, 5 g, 25 g	Analyze	Downstream
ALFA18990	Resazurin, sodium salt, pure, high purity biological stain	1 g, 5 g, 25 g	Analyze	Downstream

Detergents

VWR Cat. No.	Description	Pack Size	Workflow Step	
ALFAJ64928	N-Lauroylsarcosine sodium salt, ultrapure, 97%	50 g	Process	Downstream
ALFA23336	Polysorbate 20	5 mL, 250 mL, 1 L, 5 L, 25 L	Process	Downstream
ALFA27863	Polysorbate 80	250 mL, 1 L, 2.5 L, 10 L	Process	Downstream
ALFAJ62288	Sodium deoxycholate, 97%	25 g, 100 g, 250 g	Process	Downstream
ALFAA11183	Sodium n-dodecyl sulfate, 99% (dry wt.), water <1.5%	25 g, 50 g, 100 g, 250 g, 500 g	Process	Downstream
ALFA46426	Tergitol™ 15-S-40, 70% solution in water	250 mL, 1 L, 2.5 L	Process	Downstream
ALFA46425	Tergitol™ 15-S-9	250 mL, 1 L, 2.5 L, 10 L	Process	Downstream
ALFAA16046	Triton® X-100	100 mL, 500 mL, 2500 mL		
ALFA42236	Triton® X-114	500 mL, 2.5 L	Process	Downstream





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