



# EXCIPIENTS AND RAW MATERIALS

For pharmaceutical and  
biopharmaceutical production

[itwreagents.com](http://itwreagents.com)



The peace of mind of trusting a leading company.

**ITW Illinois Tool Works Inc. (NYSE: ITW)** is a diversified manufacturing company that delivers specialized expertise, innovative thinking and value-added products to meet critical customer needs in a variety of industries.

FORTUNE 200

**\$15.9 Billion**  
ANUAL REVENUE

100 years of  
**EXPERIENCE**  
founded in 1912

A GLOBAL company, headquartered in Chicago  
83 DIVISIONS IN 51 Countries

Highly  
**INNOVATIVE**  
organization

**19,000+**  
GRANTED PATENTS AND APPLICATIONS

## SEGMENTS

- Automotive OEM
- Specialty products
- Test & measurement and electronics
- Food equipment
- Construction products
- Polymers & fluids
- Welding



## OUR VALUES



## ITW REAGENTS

In 2010, the ITW Reagents division was born from the integration of the companies Panreac Química SLU (Spain) and Nova Chimica Srl (Italy), and later AppliChem GmbH (Germany). With the aim of bringing together the experience and know-how of these three well-established companies, the division offers the highest quality and innovative products for analysis, research and production applications.



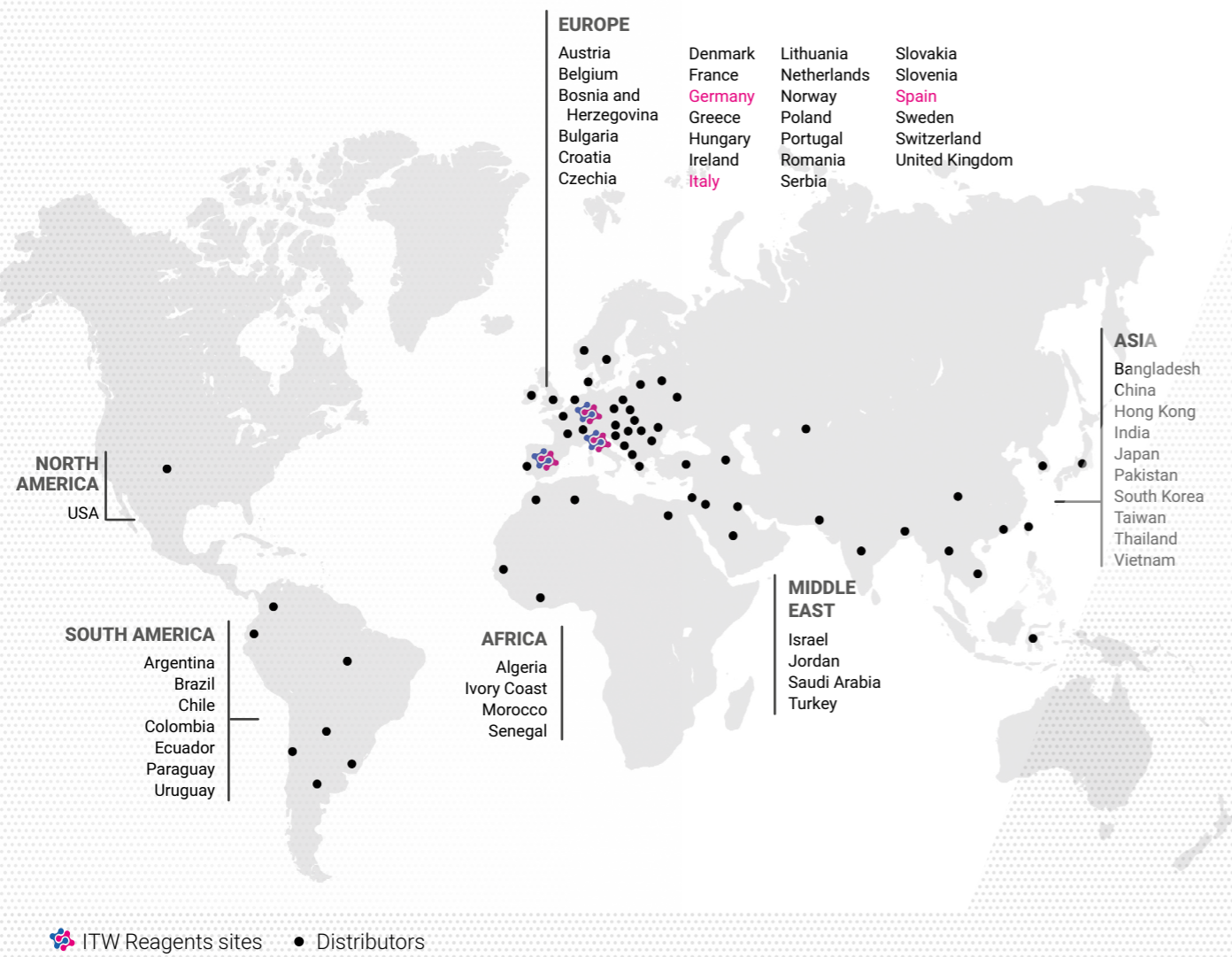
We are convinced that chemistry has an important role in making the urbanized world a better place to live. Our commitment is to contribute with our products to innovative solutions aimed at improving people's quality of life, sustainable development and global solutions.

**More than a client-provider, PanReac AppliChem is a natural partner!**




## WE ARE EVERYWHERE

Nowadays **ITW Reagents** markets its products worldwide through an extensive distribution network in more than 50 countries under the brand **PanReac AppliChem**.




## OUR QUALITY POLICY


More than specifications, it is attitude. It is quality in our processes. PanReac AppliChem has an integrated management system implemented in all activities relevant to the following standards:



**ISO 9001:2015**  
Quality Management



**ISO 14001:2015**  
Environmental Protection



**ISO 45001:2018**  
Occupational Health and Safety Management

**IPEC/PQG GMP**  
Guide for Pharmaceutical Excipients

- Full traceability
- Self assessment documentation
- Strict working conditions
- High quality and safe raw materials
- Regulatory certificates
- Detailed processes



**“Quality is not an act, it is a habit”**  
Aristotle, Greek philosopher and scientist (384 BC – 322 BC)



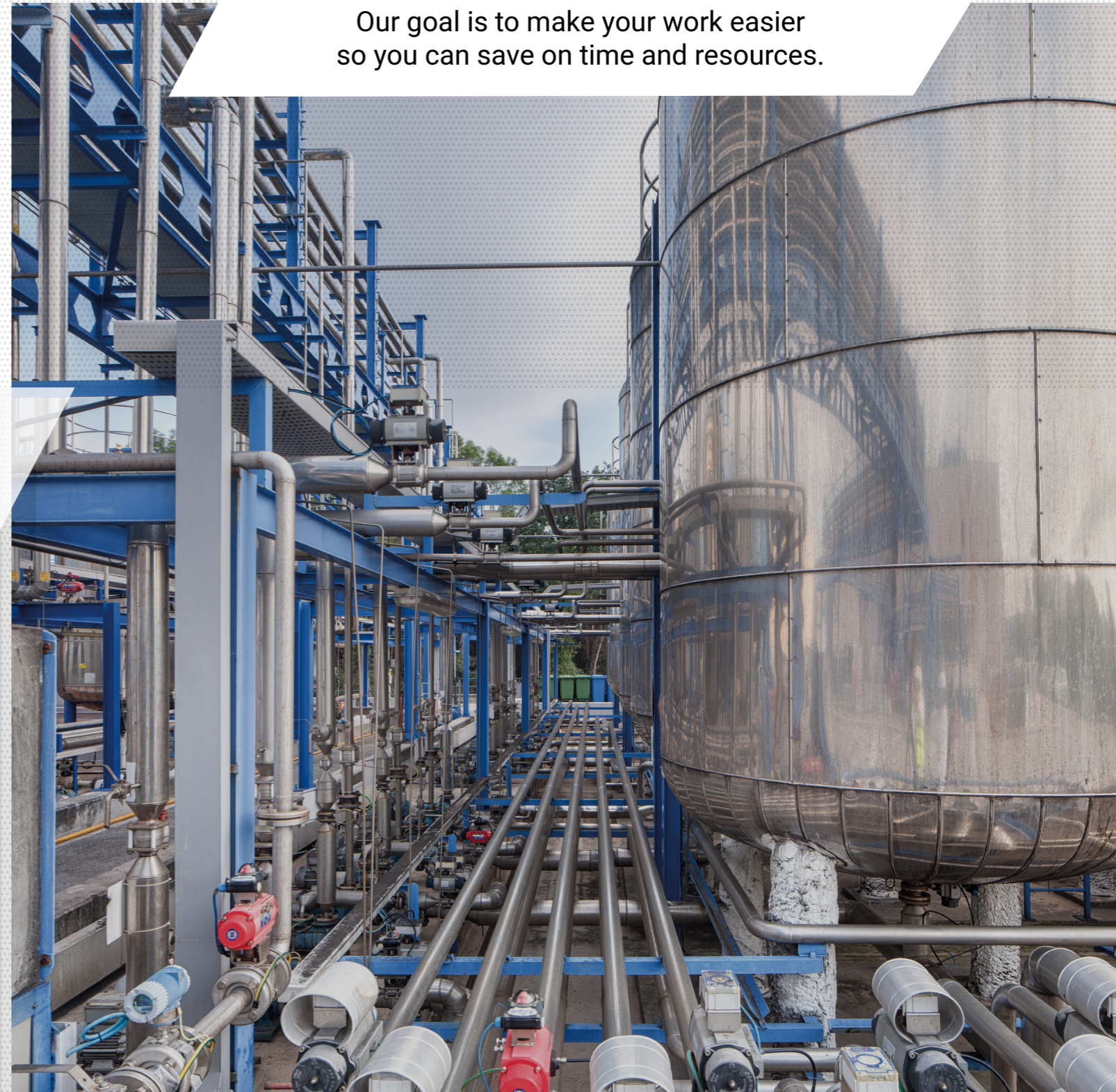
## OUR OFFER

We have been accompanying the pharmaceutical industry in the development of its products for more than 80 years. Selecting, analyzing, producing and supplying the best **raw materials** for their manufacturing processes and the most suitable **excipients** for the final formulation.

- Acids & bases
- Inorganic salts
- Solvents
- Buffers
- Amino acids
- Vitamins
- Carbohydrates
- Specialty chemicals
- Detergents

**PanReac**  
**AppliChem**  
ITW Reagents

Our goal is to make your work easier  
so you can save on time and resources.





## WHY US: SERVICE AND BENEFITS

- **Exceptional know-how** and a wide range of chemicals and biochemicals for a great diversity of applications.
- **European production** committed to corporate social responsibility (CSR).
- **Clear communication channel** through our sales force and customer service team, and efficient global distribution network.
- **Qualified management team** fully engaged to our business project.
- **Environmental responsibility** committed to continuous improvement in reducing greenhouse gas (GHG) emissions.



Providing experience and quality to the pharmaceutical industry.

Understanding your needs through close communication

Providing the technical know-how to explore our mutual possibilities

Finding the best solution for your application

Customer Satisfaction:  
**Our Satisfaction**



## OUR FACILITIES

The ITW Reagents division has **two production plants** in Darmstadt (Germany) and Barcelona (Spain). We have invested and developed state-of-the-art, purpose-built facilities to meet the needs of our customers. Both sites offer high quality, scalability and flexibility for small to large scale production.





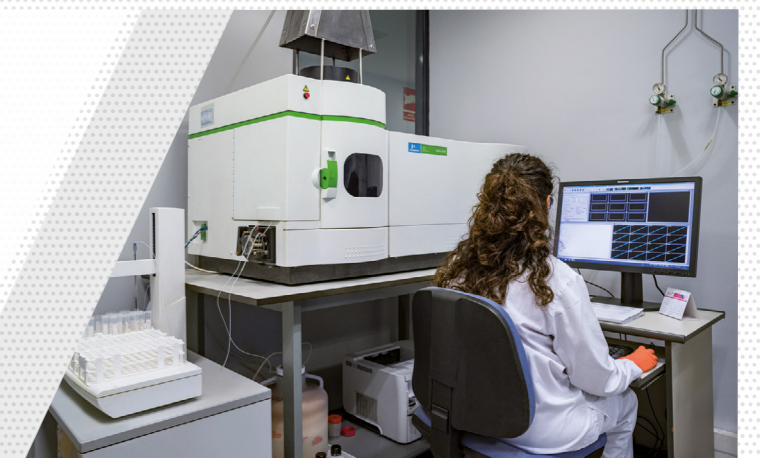
## ANALYTICAL CAPABILITIES

Through our commitment to quality, we aim to satisfy the needs of our customers, whilst safeguarding the health and safety of our employees, respecting the environment, and managing and guaranteeing the quality of our processes, services, and products.

Our laboratories monitor compliance with the specifications of the main pharmacopoeias (USP, Ph. Eur.) and the regulations on raw materials and finished products. We apply general analysis techniques, checking for trace metal impurities, using chromatography to determine solvent purity, detecting impurities as well as conducting microbiological tests.



We want to assure our customers that we fully share their commitment to caring for the environment whilst maintaining the highest standards of quality.





Product code	Product name	CAS number
A1060	ACES for buffer solutions	7365-82-4
165323	Acetaldehyde, 99% (Flavoring) for synthesis	75-07-0
141008	Acetic Acid glacial (USP, BP, Ph. Eur.) pure, pharma grade	64-19-7
196358	Acetic Acid 36% w/w pharma grade	64-19-7
196884	Acetic Acid 25% w/w pharma grade	64-19-7
141007	Acetone (USP, BP, Ph. Eur.) pure, pharma grade	67-64-1
A8174	N-Acetyl-L-Cysteine BioChemica (non animal origin)	616-91-1
637763	N-Acetyl-DL-tryptophan (BP, Ph. Eur.) low endotoxin	87-32-1
A3198	L-Alanyl-L-Glutamine for cell culture	39537-23-0
141097	Aluminium Chloride 6-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	7784-13-6
131103	Aluminium Potassium Sulphate 12-hydrate for analysis, ACS	7784-24-9
141103	Aluminium Potassium Sulfate 12-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	7784-24-9
63B764	6-Aminohexanoic Acid (Ph. Eur., BP, USP) IPEC grade	60-32-2
A0838	2-Amino-2-Methyl-1-Propanol for buffer solutions	124-68-5
131130	Ammonia 30% (as NH <sub>3</sub> ) for analysis, ACS	1336-21-6
NC1129	Ammonia 25% (as NH <sub>3</sub> ) for analysis	1336-21-6
141129	Ammonia 25% (as NH <sub>3</sub> ) (BP, Ph. Eur.) pure, pharma grade	1336-21-6
141115	Ammonium Benzoate pure	1863-63-4
141368	Ammonium Iron(II) Sulphate 6-hydrate pure	7783-85-9
Z44653	L-Arginine mono-Hydrochloride (USP, BP, Ph. Eur., JP) low endotoxin pure, pharma grade	1119-34-2
147755	L-Asparagin anhydrous (USP-NF) pure, pharma grade	70-47-3
A1668	L-Asparagine 1-hydrate (Ph. Eur.) pure, pharma grade	5794-13-8
A1701	L-Aspartic Acid (Ph. Eur., USP) pure, pharma grade	56-84-8
141014	Benzoic Acid (USP, BP, Ph. Eur.) pure, pharma grade	65-85-0
162720	Benzoyl Chloride, 99% for synthesis	98-88-4
191081	Benzyl Alcohol (Ph. Eur.) pure, pharma grade	100-51-6
141081	Benzyl Alcohol (USP-NF, BP, Ph. Eur.) pure, pharma grade	100-51-6
Z41081	Benzyl Alcohol pure, pharma grade	100-51-6
141015	Boric Acid (USP-NF, BP, Ph. Eur.) pure, pharma grade	10043-35-3
A1012	1-Butanesulfonic Acid sodium salt IPC grade	2386-54-1
141082	1-Butanol (USP-NF) pure, pharma grade	71-36-3
Z44233	Butylhydroxyanisole (USP-NF, BP, Ph. Eur.) pure, pharma grade	25013-16-5
144233	Butylhydroxyanisole (BP, Ph. Eur.) pure, pharma grade	25013-16-5
Z42825	Butylhydroxytoluene (BP, Ph. Eur.) pure, pharma grade	128-37-0
A2621	tert-Butylmethylether for analysis grade	1634-04-4
191232	Calcium Chloride 2-hydrate powder (USP, BP, Ph. Eur.) pharma grade	10035-04-8
SF1231	Calcium Nitrate 4-hydrate for analysis	13477-34-4

Product code	Product name	CAS number
144564	Castor Oil (BP, Ph. Eur.) pure, pharma grade	8001-79-4
15A676	Chlorosulphonic Acid, 98% for synthesis	7790-94-5
AT2014	Chromium(III) Chloride 6-hydrate pure	10060-12-5
141808	Citric Acid anhydrous (USP, BP, Ph. Eur., JP) pure, pharma grade	77-92-9
141018	Citric Acid 1-hydrate (USP, BP, Ph. Eur., JP) pure, pharma grade	5949-29-1
197012	Citric Acid solution 15% w/v pharma grade	77-92-9
196073	Collodion Castor (Ph. Fr.) pharma grade	--
197175	Collodion flexible (BP) pharma grade	--
141278	Collodion solution 4% w/v (USP) pure, pharma grade	--
141270	Copper(II) Sulfate 5-hydrate (BP, Ph. Eur.) pure, pharma grade	7758-99-8
15B675	Cystaminium Dichloride, 99% for synthesis	56-17-7
A1703	L-Cystine (Ph. Eur.) pure, pharma grade	56-89-3
637765	L-Cystine Dihydrochloride low endotoxin, pharma grade	30925-07-6
A0622	L-Cystine Dihydrochloride pure	30925-07-6
A1001	DAPI BioChemica	28718-90-3
A2265	2'-Deoxythymidine BioChemica	50-89-5
A8479	Dextran 70 (Ph. Eur.) pure, Pharma grade	9004-54-0
631254	Dichloromethane dry (max. 0,005% water) stabilized with ~ 20 ppm of amylene (USP-NF, BP, Ph. Eur.) pharma grade	75-09-2
141254	Dichloromethane stabilized with ~ 20 ppm amylene (USP-NF, BP, Ph. Eur.) pure, pharma grade	75-09-2
191287	Diethanolamine (USP-NF) pharma grade	111-42-2
Z4C393	DPTA Calcium and Trisodium salt x-hydrate (Ph. Eur.) low endotoxin IPEC grade	12111-24-9
633145	N,N-Dimethylacetamide (BP, Ph. Eur.) pharma grade	127-19-5
143145	N,N-Dimethylacetamide (BP, Ph. Eur.) pure, pharma grade	127-19-5
A1760	N,N-Dimethylformamide for analysis grade	68-12-2
15B496	Dimethylmethoxy Chromanol for synthesis	83923-51-7
191954	Dimethyl Sulfoxide (USP, BP, Ph. Eur.) pharma grade	67-68-5
A1102	DTE BioChemica	6892-68-8
A1101	DTT BioChemica	3483-12-3
141669	EDTA Disodium Salt 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	6381-92-6
144108	EDTA Tripotassium Salt 2-hydrate pure	65501-24-8
A5603	EDTA Tripotassium salt dihydrate pure	65501-24-8
A0878	EGTA for molecular biology	67-42-5
631086	Ethanol absolute (Ph. Eur, BP, USP, JP) low endotoxin, IPEC grade	64-17-5
191086	Ethanol absolute (USP, BP, Ph. Eur.) pharma grade	64-17-5
141086	Ethanol absolute pure	64-17-5



Product code	Product name	CAS number
631085	Ethanol 96% v/v (Ph. Eur, BP, USP) IPEC grade	64-17-5
141085	Ethanol 96% v/v (USP, BP, Ph. Eur.) pure, pharma grade	64-17-5
191318	Ethyl Acetate (BP, Ph. Eur.) pharma grade	141-78-6
141316	Ethylene Glycol pure	107-21-1
A2252	Ficoll® 400 BioChemica	26873-85-8
A7092	Folic Acid crystalline (Ph. Eur., USP) pure, pharma grade	59-30-3
141328	Formaldehyde 37-38% w/w stabilized with methanol (USP, BP, Ph. Eur.) pure, pharma grade	50-00-0
A8626	Formic Acid 4 M	64-18-6
142728	D(-)-Fructose (USP, BP, Ph. Eur.) pure, pharma grade	57-48-7
142344	Fumaric Acid (USP-NF) pure, pharma grade	110-17-8
Z42173	D(+)-Galactose (Ph. Eur.) low endotoxin pure, pharma grade	59-23-4
141341	D(+)-Glucose anhydrous (USP, BP, Ph. Eur.) pure, pharma grade	50-99-7
633140	D(+)-Glucose 1-hydrate (Ph. Eur, BP, USP) IPEC grade	5996-10-1
A1349	D(+)-Glucose 1-hydrate BioChemica	14431-43-7
A1704	L-Glutamic Acid (Ph. Eur., USP) pure, pharma grade	56-86-0
A1420	L-Glutamine (DAB, USP) pure, pharma grade	56-85-9
631339	Glycerol (Ph. Eur, BP, USP) IPEC grade	56-81-5
141339	Glycerol (USP, BP, Ph. Eur.) pure, pharma grade	56-81-5
142329	Glycerol 87% (BP, Ph. Eur.) pharma grade, BioChemica	56-81-5
131340	Glycine (Reag. USP) for analysis, ACS	56-40-6
141340	Glycine (USP, BP, Ph. Eur.) pure, pharma grade	56-40-6
A1499	Guanidine Hydrochloride BioChemica	50-01-1
A1107	Guanidine Thiocyanate for molecular biology	593-84-0
Z46543	Guanosine low endotoxin, pure grade	118-00-3
A3268	HEPES for cell culture	7365-45-9
A1069	HEPES for buffer solutions	7365-45-9
A1071	HEPPS for buffer solutions	16052-06-5
15A165	3-Hexanol, 98% for synthesis	623-37-0
131020	Hydrochloric Acid 37% for analysis, ACS, ISO	7647-01-0
141020	Hydrochloric Acid 37% (USP-NF, BP, Ph. Eur.) pure, pharma grade	7647-01-0
A0658	Hydrochloric Acid 25% for analysis grade	7647-01-0
143006	Hydrochloric Acid 10% (Ph. Eur., USP-NF) pure, pharma grade	7647-01-0
IG2108	Hydrochloric Acid 2 mol/l (2N) pharma grade	7647-01-0
192109	Hydrochloric Acid 5 mol/l (5N) pharma grade	7647-01-0
141077	Hydrogen Peroxide 33% stabilized (USP, BP, Ph. Eur.) pure, pharma grade	7722-84-1
A0700	Hypoxanthine BioChemica	68-94-0

Product code	Product name	CAS number
A7729	Hypoxanthine Sodium Salt BioChemica	45738-97-4
IG2536	Imidazole pure	288-32-4
172536	Imidazole	288-32-4
141771	Iodine resublimed pearls (USP, BP, Ph. Eur.) pure, pharma grade	7553-56-2
A7211	IPTG from plant origin galactose, dioxane free	367-93-1
196997	Iron(III) Chloride solution 14% w/w (as Fe) pharma grade	7705-08-0
147204	Iron(III) Chloride 6-hydrate solution high pure, pharma grade	7705-08-0
141362	Iron(II) Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	7782-63-0
A1138	α-Ketoglutaric Acid BioChemica	328-50-7
A0982	L(+)-Lactic Acid Lithium Salt crystalline BioChemica	27848-80-2
A4065	DL-a-Lipoic Acid BioChemica	1077-28-7
A1342	L-Lysine 1-hydrate (DAB) pure, pharma grade	39665-12-8
141945	Magnesium metal, filings pure	7439-95-4
631396	Magnesium Chloride 6-hydrate (Ph. Eur., BP) IPEC grade	7791-18-6
141396	Magnesium Chloride 6-hydrate (BP, Ph. Eur.) pure, pharma grade	7791-18-6
SC1673	Magnesium Sulphate 65% dry, powder pure	7487-88-9
631404	Magnesium Sulfate 7-hydrate (Ph. Eur, BP) IPEC grade	10034-99-8
141404	Magnesium Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	10034-99-8
142067	D(-)-Mannitol (USP, BP, Ph. Eur.) pure, pharma grade	69-65-8
A1386	MEGA-8	85316-98-9
141091	Methanol (USP-NF, BP, Ph. Eur.) pure, pharma grade	67-56-1
15C638	7-Methoxy-6-Palmitoyl-2,2-Dimethylchroman for synthesis	--
15C074	2-Methylfuran, 99% for synthesis	534-22-5
141348	2-Methyl-2,4-Pentanediol (USP-NF) pure, pharma grade	107-41-5
143080	1-Methyl-2-Pyrrolidone (BP, Ph. Eur.) pure, pharma grade	872-50-4
A4517	MOPS Hemisodium Salt for buffer solutions	117961-20-3
A7489	Morpholine for synthesis	110-91-8
15A828	Morpholinium Iodide for synthesis	58464-45-2
A1394	NADP Sodium Salt	1184-16-3
141038	Nitric Acid fuming pure	7697-37-2
A1944	Novobiocin Sodium Salt BioChemica	1476-53-5
632786	Octanoic Acid (BP, Ph. Eur., USP-NF, ChP) low endotoxin, IPEC grade	124-07-2
Z46373	n-Octyl-β-D-Glucopyranoside pure	29836-26-8
142659	Oleic Acid (Ph. Eur., USP) pure, pharma grade	112-80-1
145208	Pepsin 1:10.000 NF	9001-75-6
191315	Petroleum Ether 40-60°C (DAB) pharma grade	--
141323	Phenol 90% aqueous solution (USP) pure, pharma grade	108-95-2



Product code	Product name	CAS number
141032	ortho-Phosphoric Acid 85% (USP-NF, BP, Ph. Eur.) pure, pharma grade	7664-38-2
A8582	ortho-Phosphoric Acid (1.33 M)	7664-38-2
A9787	ortho-Phosphoric Acid 1 M, filtered through 0.22 µm filter	7664-38-2
A3235	Piperidine 99%	110-89-4
A1288	Pluronic® F-68 BioChemica	9003-11-6
A0999	PMSF BioChemica	329-98-6
141490	Potassium Carbonate pure	584-08-7
191494	Potassium Chloride (USP, BP, Ph. Eur.) pharma grade	7447-40-7
131509	Potassium di-Hydrogen Phosphate for analysis, ACS	7778-77-0
141509	Potassium di-Hydrogen Phosphate (USP-NF, BP, Ph. Eur.) pure, pharma grade	7778-77-0
141512	di-Potassium Hydrogen Phosphate anhydrous (BP, Ph. Eur.) pure, pharma grade	7758-11-4
141515	Potassium Hydroxide 85% pellets (USP-NF, BP, Ph. Eur.) pure, pharma grade	1310-58-3
141524	Potassium Nitrate without anticaking (BP, Ph. Eur.) pure, pharma grade	7757-79-1
141545	1,2-Propanediol (USP, BP, Ph. Eur., JP) pure, pharma grade	57-55-6
631090	2-Propanol (Ph. Eur, BP, USP-NF) IPEC grade	67-63-0
141090	2-Propanol (USP, BP, Ph. Eur.) pure, pharma grade	67-63-0
161090	2-Propanol, 99,7% for synthesis	67-63-0
177002	Mixture 2-Propanol / Ethyl Acetate 89:11 RE	–
A8732	Propionamide for synthesis	79-05-0
15A983	Propionic Anhydride for synthesis	123-62-6
A2217	Putrescine dihydrochloride	333-93-7
A0960	Pyridoxal Hydrochloride BioChemica	65-22-5
A8093	Pyridoxine Hydrochloride (Ph. Eur., USP) pure, pharma grade	58-56-0
142363	SDS (USP-NF, BP, Ph. Eur.) pure, pharma grade	151-21-3
631632	Sodium Acetate 3-hydrate (Ph. Eur, BP, USP) IPEC grade	6131-90-4
191632	Sodium Acetate 3-hydrate (USP, BP, Ph. Eur.), pharma grade	6131-90-4
141632	Sodium Acetate 3-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	6131-90-4
636454	Sodium Caprylate (Ph. Eur., BP, USP-NF) low endotoxin, IPEC grade	1984-06-1
131648	Sodium Carbonate anhydrous (Reag. Ph. Eur.) for analysis, ACS	497-19-8
141648	Sodium Carbonate anhydrous (USP-NF, BP, Ph. Eur.) pure, pharma grade	497-19-8
141647	Sodium Carbonate 10-hydrate pure	6132-02-1
631659	Sodium Chloride (Ph. Eur, BP, USP) low endotoxin, IPEC grade	7647-14-5
A9683	Sodium Chloride - Solution (4 M), filtered through 0.22 µm filter	7647-14-5
141659	Sodium Chloride (USP, BP, Ph. Eur., JP) pure, pharma grade	7647-14-5
631655	tri-Sodium Citrate 2-hydrate (Ph. Eur, BP, USP) IPEC grade	6132-04-3
141655	tri-Sodium Citrate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	6132-04-3
A3901	tri-Sodium Citrate 2-hydrate BioChemica	6132-04-3

Product code	Product name	CAS number
141675	Sodium Fluoride (USP) pure, pharma grade	7681-49-4
143289	Sodium Formaldehyde Sulfoxylate x-hydrate (USP-NF) pure, pharma grade	149-44-0
Z41683	Sodium L-Glutamate 1-hydrate (USP-NF) low endotoxin, pharma grade	6106-04-3
141683	Sodium L-Glutamate 1-hydrate (USP) pure, pharma grade	6106-04-3
631638	Sodium Hydrogen Carbonate (Ph. Eur, BP, USP) IPEC grade	144-55-8
141638	Sodium Hydrogen Carbonate (USP, BP, Ph. Eur.) pure, pharma grade	144-55-8
141679	di-Sodium Hydrogen Phosphate anhydrous (USP, BP, Ph. Eur.) pure, pharma grade	7558-79-4
IG1679	di-Sodium Hydrogen Phosphate anhydrous pure, pharma grade	7558-79-4
142507	di-Sodium Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	10028-24-7
Z41678	di-Sodium Hydrogen Phosphate 12-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	10039-32-4
141678	di-Sodium Hydrogen Phosphate 12-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	10039-32-4
Z92018	Sodium di-Hydrogen Phosphate anhydrous (USP) low endotoxin, pharma grade	7558-80-7
131965	Sodium di-Hydrogen Phosphate 1-hydrate (Reag. Ph. Eur.) for analysis, ACS	10049-21-5
141965	Sodium di-Hydrogen Phosphate 1-hydrate (USP, BP) pure, pharma grade	10049-21-5
141677	Sodium di-Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	13472-35-0
631687	Sodium Hydroxide pellets (Ph. Eur, BP, USP, JP) IPEC grade	1310-73-2
141687	Sodium Hydroxide pellets (USP-NF, BP, Ph. Eur.) pure, pharma grade	1310-73-2
141929	Sodium Hydroxide pearls (USP-NF, BP, Ph. Eur.) pure, pharma grade	1310-73-2
A8603	Sodium Hydroxide solution (4M)	1310-73-2
145881	Sodium Hydroxide micropearls (USP-NF) pure, pharma grade	1310-73-2
NQ2404	Sodium Hydroxide solution 50% w/w for analysis	1310-73-2
192404	Sodium Hydroxide solution 50% w/w pure, pharma grade	1310-73-2
141571	Sodium Hydroxide solution 50% w/v pure	1310-73-2
Z44320	Sodium Hydroxide solution 30% w/w pure, pharma grade	1310-73-2
144320	Sodium Hydroxide solution 30% w/w pure, pharma grade	1310-73-2
LZ3402	Sodium Hydroxide solution 25% w/w pure, pharma grade	1310-73-2
192415	Sodium Hydroxide 1 mol/l (1N) pharma grade	1310-73-2
192159	Sodium Hydroxide 5 mol/l (5N) pharma grade	1310-73-2
AL6406	Sodium Hydroxide 6 mol/l (6N) pharma grade	1310-73-2
193508	Sodium Hydroxide 10 mol/l (10N) pharma grade	1310-73-2
141710	tetra-Sodium Pyrophosphate 10-hydrate pure	13472-36-1
A1530	Sodium Pyruvate for analysis	113-24-6
192756	Sodium Selenite anhydrous (BP) pharma grade	10102-18-8
142970	Sodium Stannate 3-hydrate pure	12209-98-2
141721	Sodium Thiosulfate 5-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	10102-17-7
141055	Sorbic Acid (BP, Ph. Eur.) pure, pharma grade	110-44-1
A0674	Spermidine BioChemica	124-20-9



Product code	Product name	CAS number
A0672	Spermine BioChemica	71-44-3
A7080	Spermine Tetrahydrochloride BioChemica	306-67-2
131883	Succinic Acid (Reag. USP, Ph. Eur.) for analysis, ACS	110-15-6
631621	D(+)-Sucrose (USP-NF, BP, Ph. Eur.) low endotoxin, IPEC grade	57-50-1
141621	D(+)-Sucrose (USP-NF, BP, Ph. Eur., JP) pure, pharma grade	57-50-1
141058	Sulfuric Acid 95-98% (USP-NF, BP, Ph. Eur.) pure, pharma grade	7664-93-9
131058	Sulfuric Acid 96% for analysis, ISO	7664-93-9
163537	Tetrahydrofuran, 99.5% stabilized with ~ 300 ppm of BHT for synthesis	109-99-9
141067	Trichloroacetic Acid (BP, Ph. Eur.) pure, pharma grade	76-03-9
145300	1,1,1-Trichloro-2-Methyl-2-Propanol 1/2-hydrate (BP, Ph. Eur.) pure, pharma grade	6001-64-5
Z91750	Triethanolamine (BP, Ph. Eur., USP-NF) pharma grade	102-71-6
191750	Triethanolamine (BP, Ph. Eur., USP-NF) pharma grade	102-71-6
141750	Triethanolamine (USP-NF) pure, pharma grade	102-71-6
A1423	Triethanolamine BioChemica	102-71-6
A3845	Triethylamine BioChemica	121-44-8
Z41940	Tris (USP, BP, Ph. Eur.), low endotoxin	77-86-1
141940	Tris (USP, BP, Ph. Eur.) pure, pharma grade	77-86-1
633654	Tris Hydrochloride low endotoxin, pharma grade	1185-53-1
Z42312	Tween® 20 (RFE, USP-NF, BP, Ph. Eur.) pure, pharma grade	9005-64-5
162312	Tween® 20 for synthesis	9005-64-5
A1677	L-Tyrosine (Ph. Eur., USP) pure, pharma grade	60-18-4
A5470	Urea crystalline for analysis grade	57-13-6
191754	Urea crystalline (USP, BP, Ph. Eur.) pharma grade	57-13-6
A0666	Uridine BioChemica	58-96-8
A1536	Urobilinogen	14684-37-8
A9540	Urobilinogen (powder)	14684-37-8
141003	Vaseline Oil (USP, BP, Ph. Eur.) pure, pharma grade	8012-95-1
A8454	Vitamin B12 (Ph. Eur.) pure, pharma grade	68-19-9
A1552	Yeast extract BioChemica	8013-01-2
131787	Zinc Sulphate 7-hydrate for analysis, ACS	7446-20-0
141787	Zinc Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	7446-20-0

This is a selection of products. If you are interested in a specific product that is not listed, please contact us at [biopharma@itwreagents.com](mailto:biopharma@itwreagents.com)

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for cell culture media production



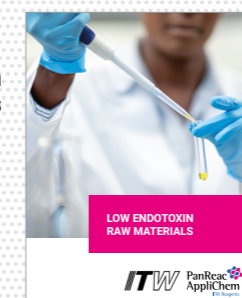
Excipients  
for vaccine formulation



Raw materials  
for plasma fractionation



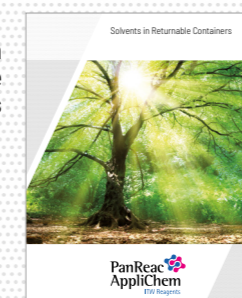
Low endotoxin  
raw materials



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Solvents in  
returnable  
containers



2022  
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A164,EN;202310



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