



Pioneering for a Safe Future

Your trusted partner in
Biopharmaceutical Innovation

www.safic-alcan.com

One project, one contact, full support.
Your local representative is here to help
source the right ingredient—end to end.



**Access our online catalogue 24/7 and
find your local representative :**

www.safic-alcan.com





The rapid expansion of biopharma is exemplified by the rise of mRNA vaccines, viral vector technologies, and cell-based immunotherapies such as CAR-T therapies. These groundbreaking approaches are shaping the future of medicine by offering personalized and highly effective treatments that go beyond traditional drug formulations. As a result, the pharmaceutical industry is increasingly investing in biotechnology-driven solutions to meet the evolving needs of modern healthcare.

9.2%

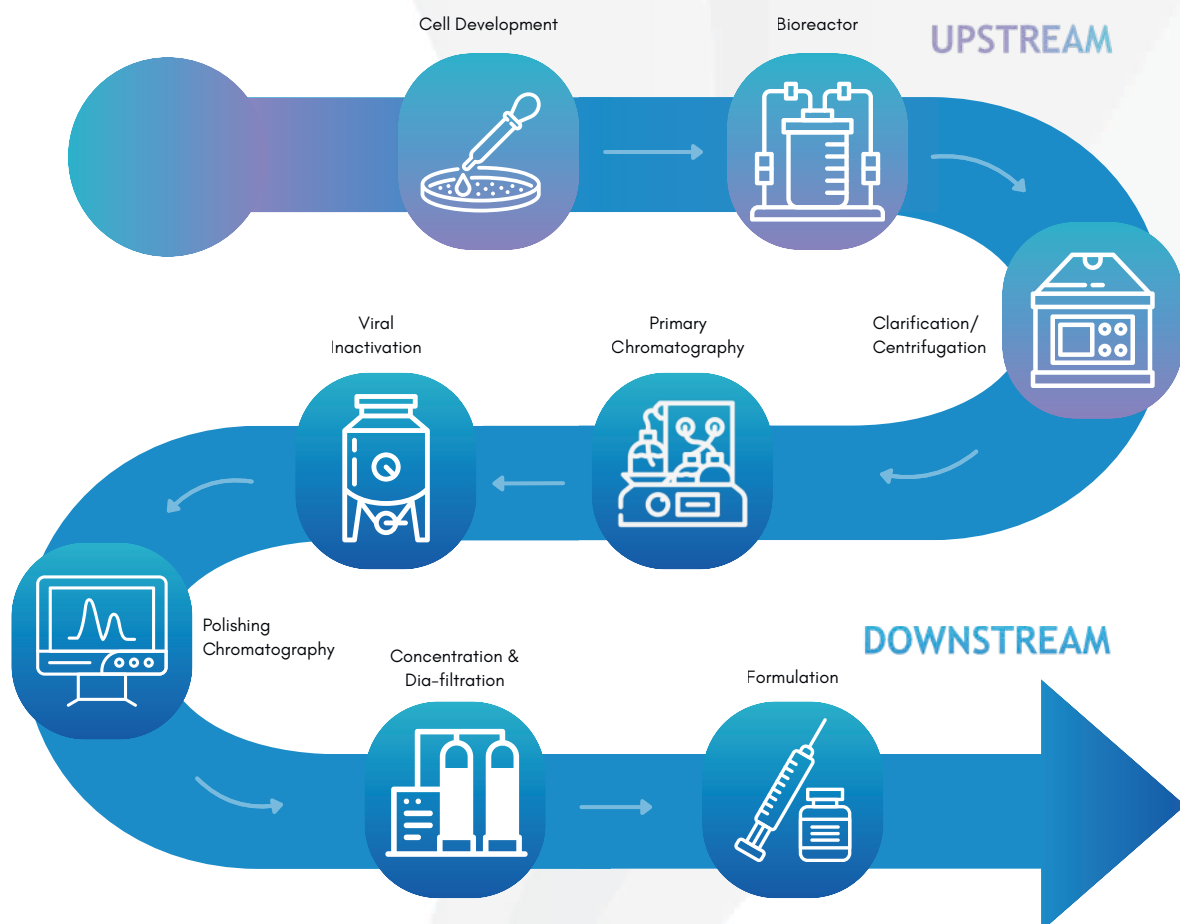
Biopharmaceuticals
Global Market CAGR
2025-2033

Future is Biopharma

Biopharmaceuticals currently represent nearly **30% of the global pharmaceutical market**, and their growth trajectory is accelerating. In fact, **4 out of 10 new drugs** introduced to the market originate from biotechnology. What was once a marginal sector 30 years ago has now become a dominant force in pharmaceutical innovation.

As biopharmaceuticals become more complex, **ensuring scalability, regulatory compliance, supply chain security, and production efficiency** has never been more critical. The need for high-purity raw materials, reliable sourcing, and technical expertise is at an all-time high, requiring trusted partners who can navigate these complexities.

**We are committed to supporting your
biopharmaceutical journey from
start to finish**





UPSTREAM

Upstream is the first critical phase in biopharmaceutical production, where living cells are cultivated to produce the desired therapeutic biomolecules. This stage involves **cell culture**, **fermentation**, and optimization of **growth** conditions to ensure high-yield production.

- Nutrients (Carbon, Nitrogen & Phosphor source)
- Growth factors (Vitamins, Amino acids & Yeast extracts)
- Trace elements (Mineral & Salts)
- Buffers & Biobuffers (Customized solutions)
- Specialty additives (Activators/Inducers & Antifoam)
- Acids & Lyes

Culture & Growth

Peptones & Extracts	Amino-acids	Vitamins	Sugars
Bacteriological Peptone	Acetylcysteine	Vitamin B2 (Riboflavin)	Sucrose
Casein Peptone	L-Lysine acetate	Vitamin B12 (Cyanocobalamin)	Threalose Dehydrate
Gelatin Peptone	L-Lysine hydrochloride	Vitamin B12 (Cobamamide)	
Malt Extracts	L-Leucine	Vitamin C (Ascorbic acid)	
Meat Peptone	L-Isoleucine		
Soy Peptone	L-Ornithine hydrochloride		
Wheat hydrolysate	L-Ornithine L-aspartate salt		
Yeast Extract	L-Proline		
	L-Valine		

Antibiotics

Amoxicillin sodium and Clavulanate Potassium	Daptomycin	Spectinomycin hydrochloride
Amoxicillin sodium sterile (Process B)	Dihydrostreptomycin sulfate (DHS)	Spiramycin
Amoxicillin trihydrate	Eprinomectin	Tiamulin hydrogen fumarate
Ampicillin trihydrate	Gentamicin sulfate	Tulathromycin
Avermectin	Ivermectin	Tylosin base
Ceftiofur hydrochloride	Lincomycin hydrochloride	Tylosin tartrate
Colistin sulphate	Oxytetracycline dihydrate (OTC base)	Vancomycin hydrochloride

All aerobic fermentation processes need and use antifoams.

Antifoams are used to control foaming in the fermenter in which the fermentation is carried out and to prevent foaming during the separation of the fermentation product.

Momentive offers a selective range of high-performance SAG™, ESCA™ antifoam emulsions, and compounds for fermentation applications complying with stringent quality and regulatory requirements.

Silicone Emulsions

Simethicone Emulsions



DOWNSTREAM

Downstream begins with cell separation, isolating the target biomolecule in the supernatant. Next, **purification** and **polishing** are carried out using advanced techniques such as **chromatography**, **ultrafiltration**, and **precipitation**, removing impurities while maintaining the integrity of the active ingredient. Once purified, the biomolecule undergoes **formulation** and **stabilization**, where buffers, stabilizers, and excipients are added to optimize its structure, shelf-life, and bioavailability.

- Salts & Minerals for purification and polishing
- Stabilizers
- Buffers
- Solvents
- Excipients





PURIFICATION

Stabilizers	Solubilizer	Others
Acetylcysteine	PEG 300	Sodium Chloride
L-Isoleucine	PEG 3350	Anhydrous Dextrose
L-Leucine	PEG 35	Lactose
L-Lysine Acetate	PEG 40 HCO	
L-Lysine Hydrochloride	PEG 400	
L-Ornithine Hydrochloride	PEG 4000	
L-Ornithine L-Aspartate Salt	Polysorbate 20	
L-Proline	Polysorbate 80	
L-Valine		
Polysorbate 20		
Polysorbate 80		
Trehalose Dihydrate		





FORMULATION

Buffering Agents

Injectable grade available				
AmmoniumAcetate	Diisopropanolamine	Sodium Succinate Hexahydrate	Citric Acid	Sodium Citrate
Anhydrous Citric Acid	Glacial Acetic Acid	Sodium Tartrate	Di-Sodium Hydrogen O-Phosphate Heptahydrate	Sodium Hydroxide
Anhydrous Sodium Dihydrogen Phosphate	Glycerin	Succinic Acid	Di-Sodium Hydrogen O-Phosphate Monohydrate	Tartaric Acid
Benzene Sulfonic Acid	L-(+)-Lactic Acid	Trisodium Citrate Dihydrate	Potassium Chloride	Sodium Dihydrogen O-Phosphate Anhydrous
Butylated Hydroxyanisole	Monohydrate Citric Acid	Trolamine (Triethanolamine)	Potassium Di-hydrogen Ortho-Phosphate	Sodium Dihydrogen O-Phosphate Dihydrate
Butylated Hydroxytoluene	Sodium Acetate Trihydrate		Sodium Bicarbonate	
Diethanolamine	Sodium Chloride		Sodium Carbonate	

Solvents

Injectable grade available				
2-Pyrrolidone	Dimethyl Sulfoxide (DMSO)	N,N-Dimethyl Acetamide	PEG 300	
Acetone	Hydroxypropyl Betacyclodextrin	Sodium Bisulfite	PEG 400	
Acetonitrile	Methane Sulfonic Acid	Tert-Butanol		
Benzyl Benzoate	N-Methyl 2-Pyrrolidone	Glycerin		

FORMULATION

Preservatives

Injectable grade available

Anhydrous
Sodium Sulfite

L-(+)-Lactic
Acid

Benzethonium
Chloride

Meta-Cresol

Benzoic
Acid

Monothioglycerol

Benzyl
Alcohol

Phenol

Calcium
Chloride

Sodium
Benzoate

Glacial
Acetic Acid

Sodium
Metabisulfite

Non-injectable

Formaldehyde

Phenoxyethanol

Stabilizers

Non-injectable

Acetylcysteine

L-Ornithine Hydrochloride

L-Isoleucine

L-Proline

L-Leucine

L-Valine

L-Lysine
Acetate

Polysorbate 20

L-Lysine
Hydrochloride

Polysorbate 80

Injectable grade available

Calcium
Saccharate

Sucrose

Trehalose Dihydrate

FORMULATION

Others

Alkalizer

Glycine

Meglumine

PEG 40 HCO

Poloxamer 188

Solubility Enhancers

Hydroxypropyl Betacyclodextrin

Medium Chain Triglycerides

Meglumine

PEG 35 CO

PEG 40 HCO

Polyvinylpyrrolidone

Squalene

Adjuvants

Aluminum Hydroxide



One project, one contact, full support.
Your local representative is here to help
source the right ingredient—end to end.

www.safic-alcan.com





Reliable, resilient, and ready for what's next—our supply chain supports the future of biopharma through global reach and sustainable partnerships.

Safety

Backed by a strong established network across **Europe, China & India**, our global footprint empowers us to build a truly **resilient and agile supply chain**. This strategic reach allows us to anticipate challenges, minimize disruptions, and ensure a consistent, secure, and reliable supply of pharmaceutical ingredients.

Future

We partner with **future-oriented suppliers** who are deeply committed to **reducing their environmental footprint** and enhancing the impact of their ingredients. Through a thoughtful, strategic approach, we build a **responsible supply chain** that supports both performance and purpose.

Progress

At the forefront of scientific innovation, our **advanced pharmaceutical lab** fuels progress across the industry—mastering everything from **mixing to coating**. By exploring excipient alternatives and leading **comparative studies**, we create sustainable, future-ready formulations that shape the next generation of industrial solutions.



IN ÉTAMPES
FRANCE



Drive your innovation forward with expert support **at every stage**, from smarter formulations to seamless scale-up.

Our cutting-edge pharmaceutical application lab is **built to accelerate** your product development and industrial transfer.

Your Trusted Partner

- ✓ APIs and Excipients sourcing
- ✓ Regulatory and Quality Support
- ✓ Technical Trainings and Seminars
- ✓ Substitutions & Troubleshootings
- ✓ Tailor-Made Approach

Our equipments :

Granulation

Romaco
High-Shear
Mixer

Procept
Fluid Bed

Quadro
Miller

Tableting

Styl'One
Nano Tablet
Press

Sotax
Characteri-
zation

Coating

IKA
Blenders

Procept
Pan Coater

Liquids

VMI
Turbotest

Stability, pH
& Viscosity

Pioneering For A Safe Future

ACCESS YOUR LOCAL
BROCHURE



www.safic-alcan.com



Follow us on LinkedIn

www.safic-alcan.com