

Simplifying Progress

Welcome to Sartorius

February 2024



Our ambition: Better health for more people

Mission

We empower scientists and engineers to simplify and accelerate progress in life science and bioprocessing, enabling the development of new and better therapies and more affordable medicine.

Vision

We are a magnet and dynamic platform for pioneers and leading experts in our field. We bring creative minds together for a common goal: technological breakthroughs that lead to better health for more people.





Sartorius in 2023 numbers



1 Underlying EBITDA margin



14,500 employees united by strong values

Sustainability

Growing profitably and acting responsibly towards all stakeholders

Openness

Driving change and progress internally and externally

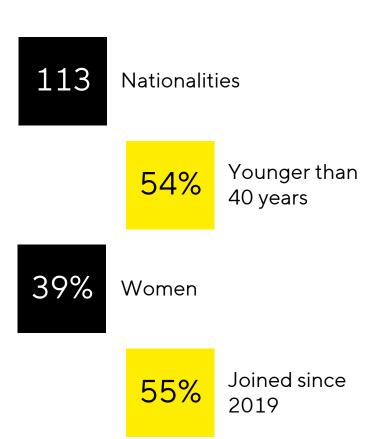
Enjoyment

Working in an energetic and rewarding environment







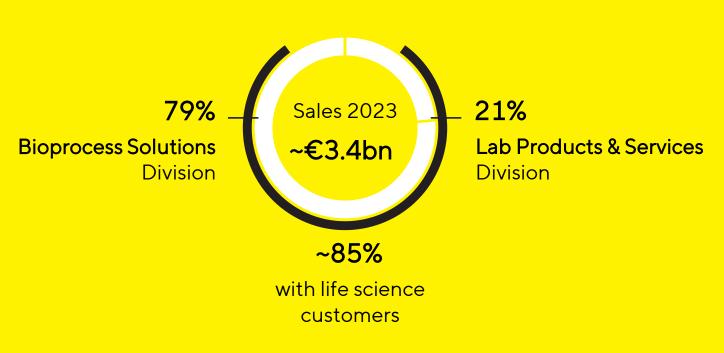




Two divisions with a clear focus on the life science industry

Offers a wide array of innovative technologies for the manufacture of biopharmaceuticals and vaccines as well as cell and gene therapeutics

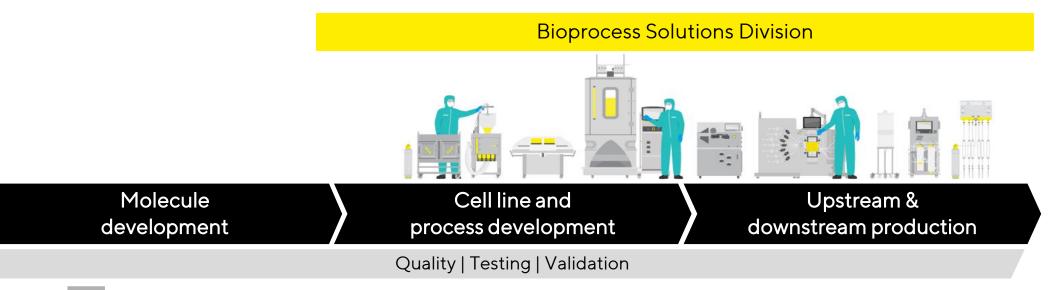








Enabling the discovery and production of biopharmaceuticals







Lab Products & Services Division

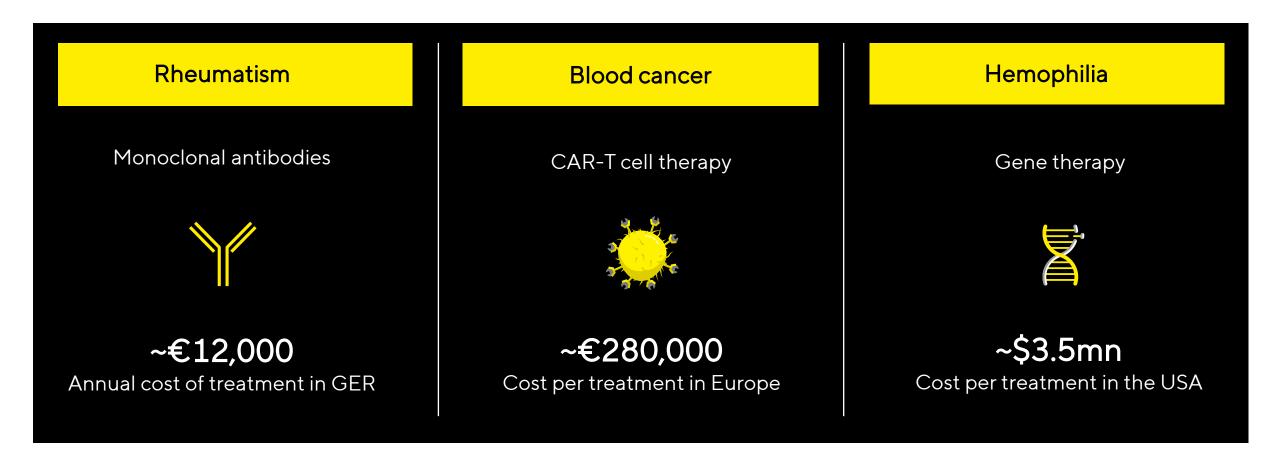


The promises of biologics: From established to new concepts

Advantages What are biopharmaceuticals? Target only diseased cells Have fewer side effects Allow first-time or improved treatment of Consist of Obtained from living cells in Administered mainly illnesses, e.g. cancer, multiple sclerosis, complex molecules cell culture processes intravenously rheumatism 2012 / 2017 Smallpox Blood Human Cell & Gene Monoclonal **mRNA** Vaccine **Transfusion** Insulin **Antibodies** Therapy Vaccine Established biopharmaceuticals Next generation

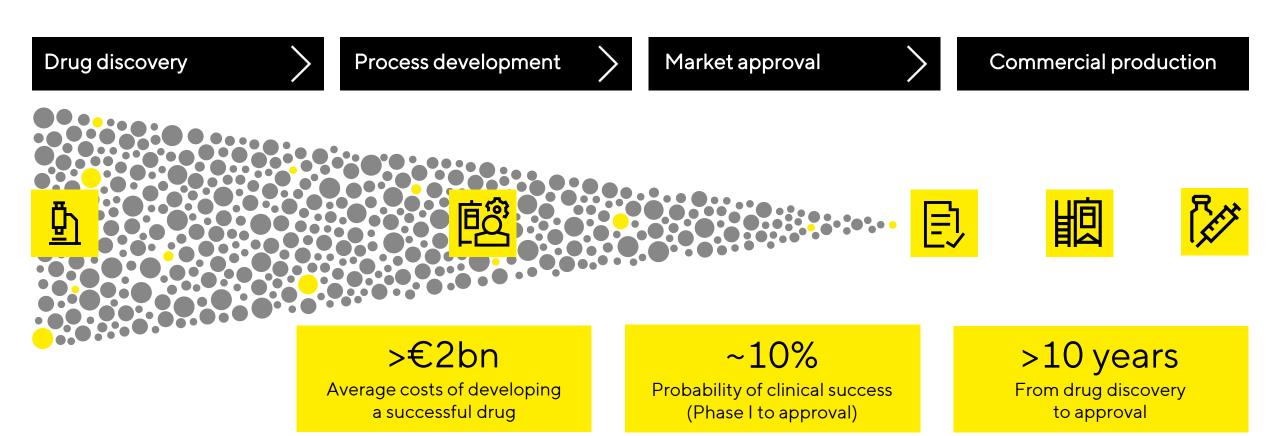


Many biotech medications are highly effective, but very expensive





Only one out of 10,000 new drug candidates reaches the market



Schematic example of biologic drug discovery with data from the Association of the British Pharmaceutical Industry



Helping researchers in the labs to accelerate drug discovery



Our ambition Reduce costly trial & error



Our solutions

Powerful bioanalytical tools and lab essentials



- **Understand diseases**
- **Conduct experiments**



- Identify molecules
- Develop new drugs



Live cell analysis



Pipetting



Cell characterization



Weighing





Filtration



Cell selection



Water purification



Once discovered also the manufacture of biologics remains complex





Providing technologies to increase productivity in bioprocessing



Our ambition

More efficient bioprocessing



Our solutions

Technologies for all phases of drug manufacturing



- Set up safe and flexible processes
- Increase resource and material efficiency
- Reduce investments
- Enhance product yield



Media & reagents



Chromatography





Filtration



Bioreactors & fermenters



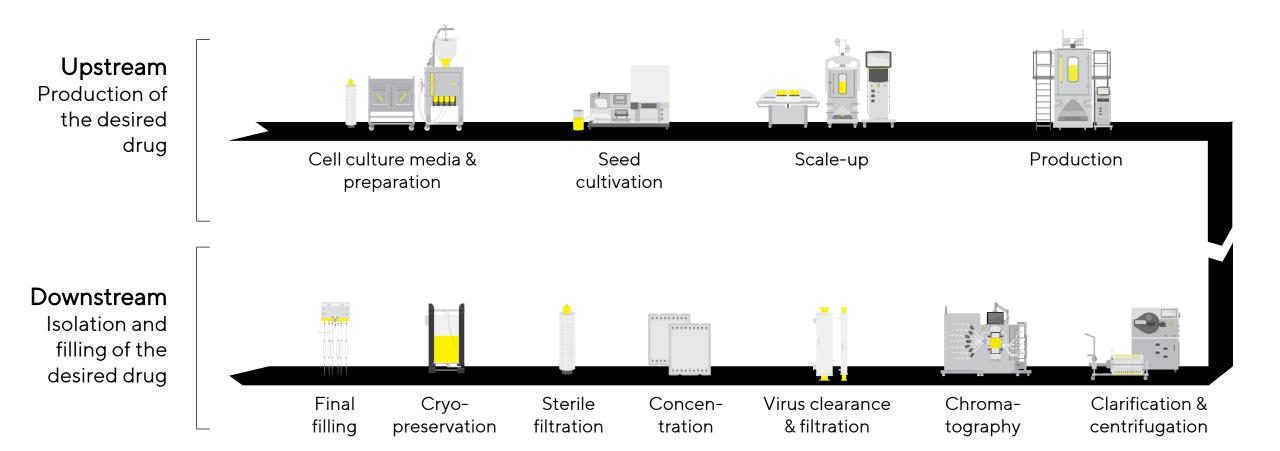
Fluid management



Data analysis



Offering integrated end-to-end manufacturing solutions





Helping customers to reduce their environmental footprint



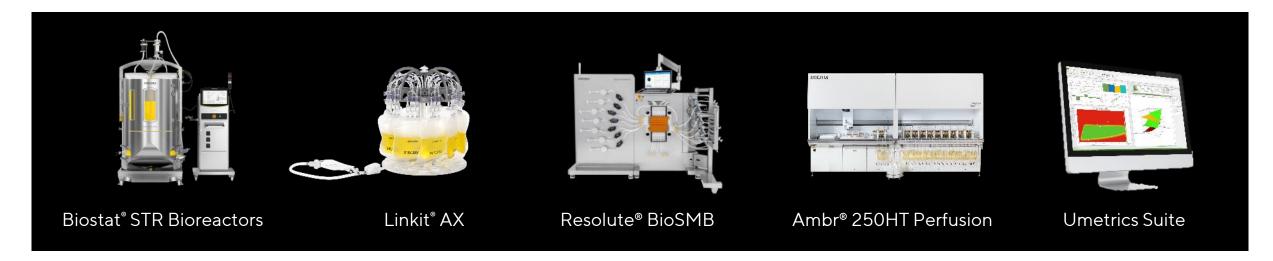




Data analytics



- No water-/energyintensive cleaning
- Less cleanroom space, less energy usage
- Higher yields





Cell and gene therapies: New modalities, new challenges



Next generation biopharmaceuticals

Viral Vectors mRNA Stem Cells **New Vaccines** Exosomes DNA

6,000+

Innovative treatments for patients

Candidates in development¹

Approved therapies worldwide



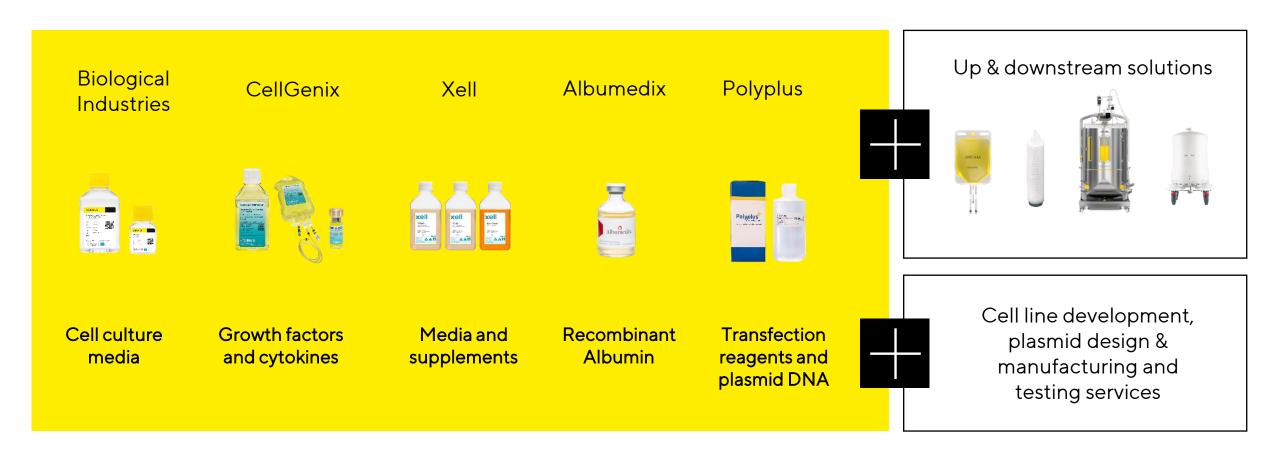
Enabling CGT: High need for innovation

- Robustness of production process
- Yields, productivity, cost-per-dose
- Time-to-market
- Regulation under development
- Manufacturing close to patients



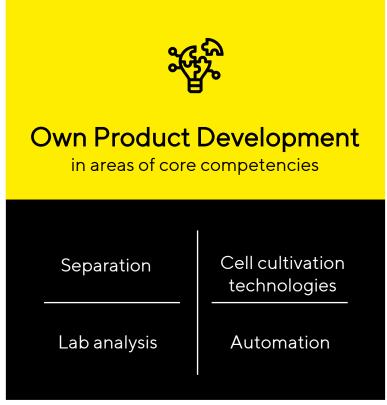
1 GlobalData, October 2023, CGT = Cell & Gene Therapies

Creating a technology platform for cell and gene therapy applications

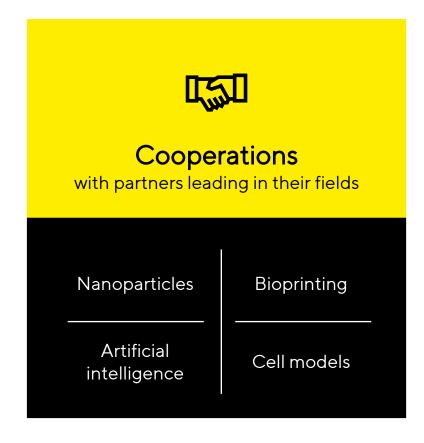




How we innovate



Acquisitions of complementary technologies Media & reagents Chromatography Bioanalytical instruments



Recent focus; selected projects

Resilient global setup, well prepared for further growth



Customer proximity



Redundant capacity



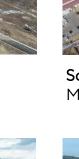
Operational excellence



Global resilience



Ann Arbor, Michigan, USA Bioanalytical products & services





Göttingen, Germany Filter production, product development



Songdo, South Korea Media, bags, filtration, labs, training



Aubagne, France Clean rooms, product development, labs



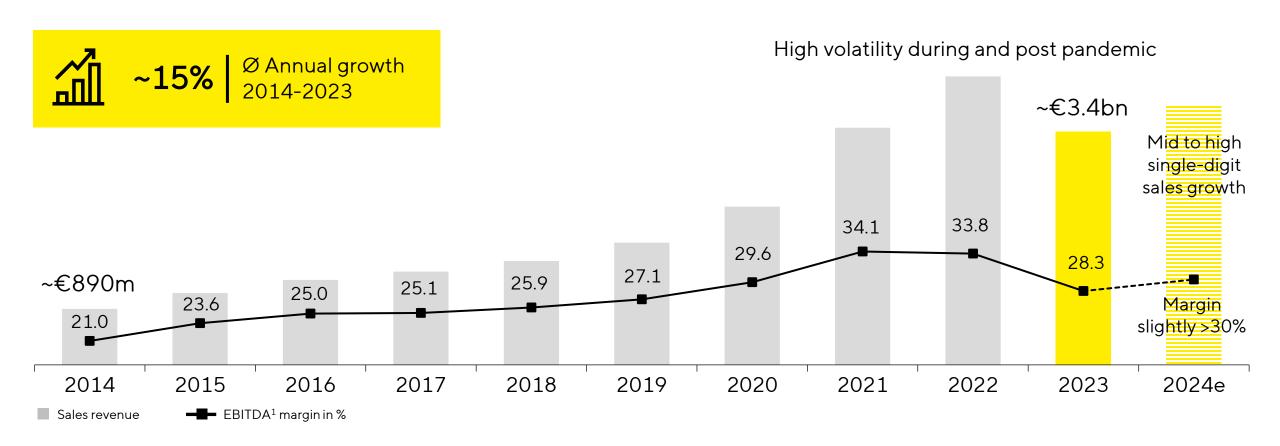
Freiburg, Germany Cell culture components



Expansion of production & R&D capacities; selected current projects



Strong financial track record; profitable growth expected for 2024



Sales CAGR for continued operations, in constant currencies; EBITDA margin excluding extraordinary items



Ambitious midterm targets backed by strong market fundamentals



Growing and aging world population



Expanding market for biopharmaceuticals incl. biosimilars



Dynamic market segment of **novel therapies**



High need for innovation



Clear **strategy**



Competitive, integrated product portfolio



Strong, customer-focused **team**



Powerful and resilient production and R&D infrastructure



Low double-digit avg. annual sales growth¹

~34%

Underlying EBITDA margin

1 Thereof around a fifth through acquisitions



Broad and ambitious sustainability agenda in implementation

2030 mid-term targets

~10%

av. reduction of CO_2 eq emission intensity p.a. (Scopes 1-3)

Zero

avoidable¹ emissions in Scopes 1 and 2

100%

electricity from renewable sources

>75%

revenue with products designed according to circularity principles²

Zero

operational waste to

35

av. annual Employee
Net Promoter Score

2045 long-term target

Net-zero
emissions

Decarbonization of the entire supply chain in collaboration with suppliers and customers







1 Process emissions from membrane manufacturing are currently considered unavoidable based on available technology, 2 Including product and transport packaging



Simplifying Progress

Sartorius AG

Corporate Communications & IR Otto-Brenner-Straße 20 37079 Göttingen Germany

