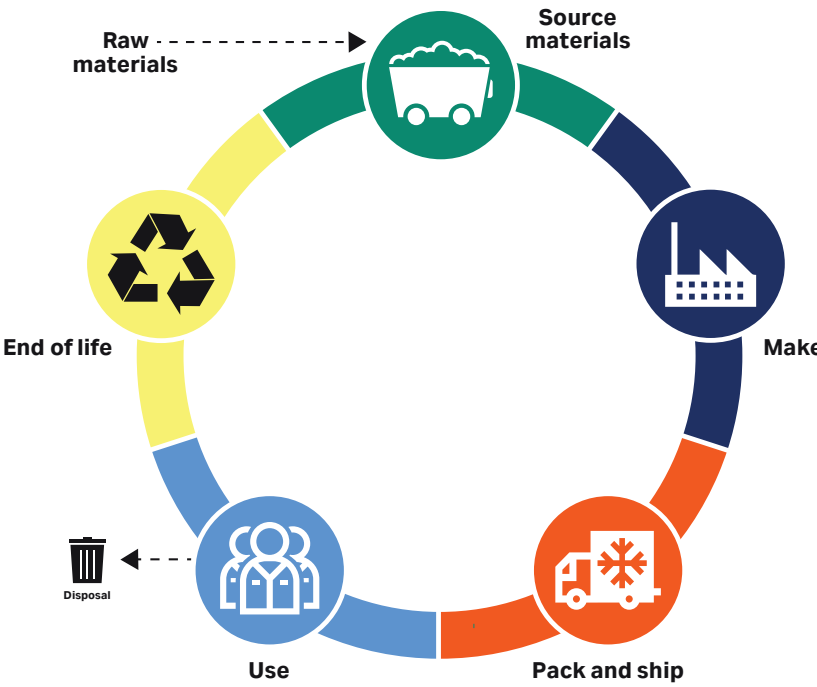


Chromatography resins: An environmental perspective



Unleashing the power of life cycle management

For over 50 years, Cytiva has worked with you to advance and accelerate therapeutic production. Now, together, we embark on a journey to reshape the biopharma value chain. We're committed to integrating eco-design principles into our resin development and processes to better understand the environmental impact of our products along their life cycle. Armed with this information, we can make design changes to improve our products' efficiency and minimize carbon impact, water usage, and more.

We can only succeed in these efforts if we work together across all life cycle stages, with product use and end of life playing a critical role in overall environmental impact. Through life cycle assessments and the optimization of resources during drug processing and development, we saw up to a 90% reduction in CO₂e.

The challenge ahead is immense, and we can't do it without you.



Raw materials

To preserve the Earth's limited resources, Cytiva is actively assessing how and where renewable source materials could be beneficial, investing in new technologies, and exploring options to extend a product's life. We're also strategically collaborating with suppliers who share the same ambitions we do.

Together, we can reduce environmental impacts, ensure responsible sourcing, and preserve labor and human rights.

77% of our direct suppliers have completed their EcoVadis assessment	18 600 tonnes CO ₂ saved in 2023 for resins at our on-site solvent recovery plant, equivalent to 4350 flights around the globe	35% water intensity reduction in resin manufacturing since 2019
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Manufacturing

The manufacturing of our chromatography resins uses 100% renewable electricity, which includes on-site solar power capture, a power purchase agreement (PPA), and renewable energy credits (RECs).

Cytiva Sweden AB was EcoVadis Platinum rated in 2022 and 2023, putting us in the top 1% of all manufacturers in all industries.

84% site recycling rate for plastic packaging waste	100% renewable electricity and district cooling	46% reduction in carbon intensity of district steam
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Distribution

We're optimizing our logistics by consolidating shipments where possible, transporting goods via ocean instead of air, analyzing network design, switching to sustainable packaging materials, and moving to in-region-for-region manufacturing and sourcing.

This optimization strategy will increase security of supply and reduce CO₂ emissions from shorter shipping distances.

100% of our shipping trucks in Sweden powered by hydrotreated vegetable oil (HVO) in cooperation with our logistics provider	82% reduction in plastic packaging at our Swedish distribution center	1 new US manufacturing site to open in 2026, increasing resin production to improve security of supply
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Use and end of life

With more than 50 years of manufacturing expertise and scientific support, we help you optimize the use of our resins for peak performance, maximum yield, and extended product life.

For example, using eco-design principles on a protein A capture step, we reduced CO₂e up to 90% by switching from a legacy resin to MabSelect PrismA™ and through optimizing resource and energy use.

Minimizing environmental impact by increasing life cycle assessment expertise	Uniting sustainability metrics and high process performance	Fostering collaboration and transparency across the value chain
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Our impact to the United Nations Sustainable Development Goals



Our commitment to sustainability

Thriving people, thriving planet, a resilient business. For Cytiva, these three aims are deeply connected. Achieving them is our ambition and our responsibility. That’s why we commit to integrating respect for people and care of the environment in our decisions in ways that have a lasting impact on society, our customers, patients, and Cytiva associates.

This statement of our commitment to sustainability reflects our support of the UN Global Compact and its 10 principles on human and labor rights, environmental protection, and anti-corruption. It is echoed in relevant policies, procedures and strategic priorities across Cytiva.

Want to learn more?
cytiva.com/sustainability

cytiva.com

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