

New: Safe-Lock Tubes BioBased

ISCC PLUS
100% ISCC PLUS CERTIFIED PLASTIC

RECYCLING
VEGETABLE OIL REFINING
100% RECYCLED PLASTIC



RENEWABLE
FEEDSTOCK

2nd Generation Feedstock – 1st Class Consumables

Meet your own sustainability targets with biobased Eppendorf Tubes®, Tips, and Plates

Your Future Lab Perspective

»Making polymer products and components substantially and measurably more sustainable according to the »Reduce, Reuse, Recycle« concept without compromising product quality and performance«

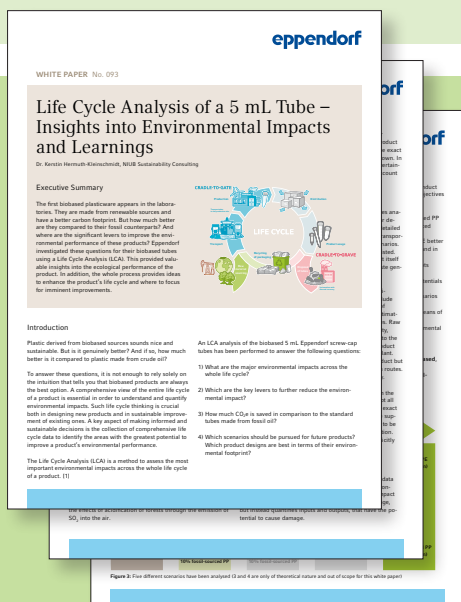
Since oil-based plastic consumables have replaced glass consumables, they have become irreplaceable in laboratories around the world, providing quality standards needed in increasingly demanding research. This is a growing challenge in respect to sustainability.

Thus, Eppendorf not only focuses on the development of new products but also on new, more environmentally friendly manufacturing materials. 3 years ago we started to offer a generation of Eppendorf Tubes® made of biobased polypropylene. Since then our biobased consumables portfolio grew with epT.I.P.S.® BioBased, Eppendorf twin.tec® Trace PCR plates BioBased and now with Eppendorf Safe-Lock Tube® BioBased.

About Biobased Polymer for Biobased Consumables

To increase the sustainable properties of plastic used for the production of lab consumables, we must make and use plastics more sustainably using recycled and renewable feedstocks.

- > In the biobased polymer production, fossil raw material is replaced with sustainable raw material produced from biobased waste and residues (2nd generation renewable feedstock).
- > The raw materials used to produce the renewable feedstock can be backtraced to the first collection points and the origin of the renewable raw materials from carefully selected suppliers committed to sustainability is assured.
- > The final polymers are sustainability certified by »ISCC PLUS« – the reliable global leading certification scheme for manufacturers producing bio-based polymers and their further processing.



Environmental Impacts of Biobased Eppendorf Consumables

In our **White Paper No. 093 »Life Cycle Analysis of a 5 mL Tubes – Insights into Environmental Impacts and Learnings«** we answer the following questions:

- > What are the major environmental impacts across the whole life cycle?
- > Which are the key levers to further reduce the environmental impact?
- > How much CO₂ is saved in comparison to the standard tubes made from fossil oil?
- > Which product designs their environmental footprint?



For additional details,
download this White Paper here

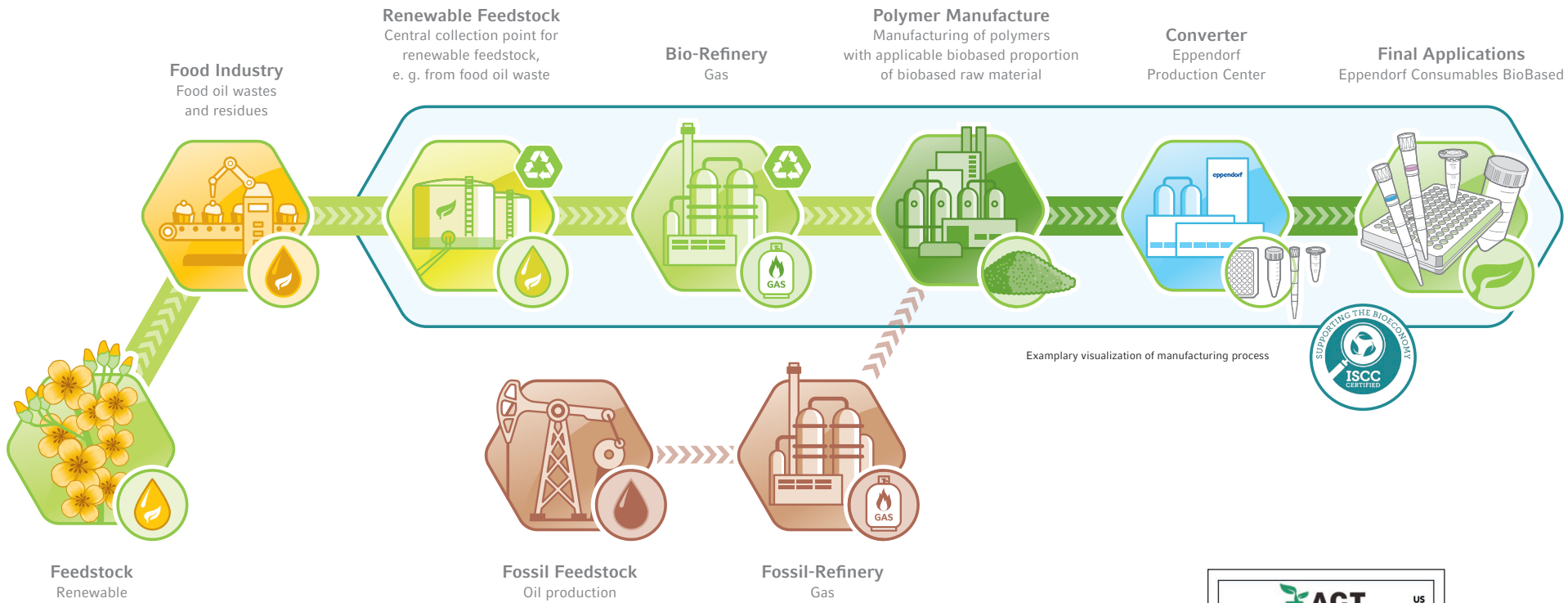
About »ISCC PLUS« Certification



ISCC PLUS (International Sustainability & Carbon Certification) is a global certification program for circular economy and bioeconomy. The certification enables traceability along the entire supply chain.

- > ISCC PLUS offers market participants and producers from the food and feed, chemical, pharmaceutical and bioplastic industries to obtain sustainability certificates. With an ISCC PLUS certification, companies ensure that the entire supply chain from agriculture to the finished end product has been audited. The certification is also applicable to products based on waste, residues and recyclable materials.
- > ISCC supports the transition to a circular economy and bioeconomy and brings many benefits to businesses and the environment like e.g.:
 - Traceability throughout the supply chain
 - Proof of identity of raw materials
 - Clear and third-party verified information
 - Strengthening consumer confidence through independent certification system

More information: www.iscc-system.org



About »ACT« Certification

Independent Validation

mygreen lab. provides independent validation and certifies lab products with »ACT – The Environmental Impact Factor Label« as a third party organization. Meanwhile, Eppendorf has a growing number of ACT validated and certified Eppendorf products, e.g. different tips, tubes, ULT freezers, pipettes, and more to come.

More information: <https://actdatabase.mygreenlab.org>

»The ACT Label was designed to address the need of both scientists and procurement specialists for clear, third-party and independently verified information about the environmental impact of laboratory products. By emphasizing Accountability, Consistency, and Transparency (ACT) around manufacturing, energy and water use, packaging, and end-of-life, ACT makes it easy to choose more sustainable products.«

More information: <https://act.mygreenlab.org>

ACT. The Environmental Impact Factor Label US Eppendorf Conical Tubes 25 mL, BioBased SKU 30122534 Environmental Impact Scale Decreasing Environmental Impact 110 Manufacturing Manufacturing Impact Reduction1.0 Renewable Energy UseYes Responsible Chemical Management1.0 Shipping Impact8.7 Product Content1.0 Packaging Content1.0 User Impact Energy Consumption (kWh/day)N/A Water Consumption (gallons/day)N/A Product Lifetime7.3 End of Life Packaging4.0 Product7.9 Innovation Innovative Practices-1.0 Environmental Impact Factor: 30.9 Label Valid Through: May 2025 act.mygreenlab.org	ACT. The Environmental Impact Factor Label US Eppendorf Tubes® BioBased 5.0 mL, screw cap, sterile SKU 0030122518 Environmental Impact Scale Decreasing Environmental Impact 110 Manufacturing Manufacturing Impact Reduction1.0 Renewable Energy UseYes Responsible Chemical Management1.0 Shipping Impact8.7 Product Content1.0 Packaging Content1.0 User Impact Energy Consumption (kWh/day)N/A Water Consumption (gallons/day)N/A Product Lifetime5.0 End of Life Packaging4.0 Product6.2 Innovation Innovative Practices-1.0 Environmental Impact Factor: 26.9 Label Valid Through: September 2026 act.mygreenlab.org
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From Used Oil to High-Value Products



- > Biobased pipette tips are available as epT.I.P.S.® BioBased Biopur®, ep Dualfilter T.I.P.S.® BioBased, and ep Dualfilter T.I.P.S.® SealMax® BioBased



- > Eppendorf Tubes® BioBased, Sterile, with screw caps are available in volumes of 5 mL, 15 mL, 25 mL and 50 mL



- > Eppendorf Safe-Lock Tubes BioBased are available in 0.5, 1.5 and 2.0 mL in Eppendorf Quality and PCR clean



- > Eppendorf twin.tec® Trace PCR Plates BioBased in PCR clean are available in 3 volumes, 96 and 384 wells also in LoBind each volume

Special product highlights

- > The Eppendorf Production Center in Oldenburg / Germany is ISCC PLUS (International Sustainability & Carbon Certification) certified
- > ACT labeled (Accountability, Consistency, Transparency) – Environmental Impact Factor Certification conducted by My Green Lab®
- > Tubes, Tips and Plates are made from renewable feedstock, so called »2nd Generation Feedstock« (recycled e.g. from food oil wastes and residues) reducing laboratories' CO₂ footprint*, and applying ISCC mass balance approach. For detailed information, see product label of each product.
- > General Quality Certificates/Compliance with Standards are available separately for Eppendorf Tubes® -, Eppendorf Safe-Lock Tubes -, epT.I.P.S.® -, twin.tec® Trace PCR plates BioBased
- > Product-specific and lot-specific purity certificates as well as an ISCC sustainability declaration for production center of »Eppendorf Consumables BioBased«

* The screw caps are actual fossil-based material. The switch to biobased material will take place soon.



Biobased Eppendorf Consumables

In 2022, we launched our first biobased consumables – Eppendorf Tubes® BioBased. Since then, we have been continuously pursuing this path to more sustainability in the laboratory. In the meantime, there are also epT.I.P.S.® BioBased pipette tips with and without filters in various packaging forms, Eppendorf twin.tec® Trace PCR Plates BioBased in several sizes and, of course, the “Eppi®” – Eppendorf Safe-Lock Tubes BioBased in various designs.

In the table below you will find all available “Eppendorf Consumables BioBased”. Whether tips, tubes or plates – replace the consumables used in your laboratory with biobased versions today and without any risk*, and reduce the CO₂ footprint of your laboratory.

Pipette tips	Purity	Variants	Packaging
epT.I.P.S.® BioBased	Biopur®	20 µL to 1,250 µL L	Reloads
epT.I.P.S.® PCR clean	PCR clean/Sterile	10 µL to 1,250 µL L	Reloads
epT.I.P.S.® PCR clean	Biopur®	20 µL to 1,000 µL	Reloads
epT.I.P.S.® PCR clean	Eppendorf Quality	1,000 µL to 5 mL L	Bags/Bulk

Tubes	Purity	Variants	Packaging
Eppendorf Tubes® BioBased, screw cap	Steril, PCR clean*	5 mL	Resealable Bags
Eppendorf Tubes® BioBased, screw cap	Steril, PCR clean*	15 mL	Resealable Bags
Eppendorf Tubes® BioBased, screw cap	Steril, PCR clean*	25 mL	Resealable Bags
Eppendorf Tubes® BioBased, screw cap	Steril, PCR clean*	50 mL	Resealable Bags
Eppendorf Safe-Lock Tubes BioBased	Eppendorf Quality	0.5 mL	Resealable Bags
Eppendorf Safe-Lock Tubes BioBased	Eppendorf Quality	1.5 mL	Resealable Bags
Eppendorf Safe-Lock Tubes BioBased	Eppendorf Quality	2.0 mL	Resealable Bags
Eppendorf Safe-Lock Tubes BioBased	Steril, PCR clean*	0.5 mL	Resealable Bags
Eppendorf Safe-Lock Tubes BioBased	Steril, PCR clean*	1.5 mL	Resealable Bags
Eppendorf Safe-Lock Tubes BioBased	Steril, PCR clean*	2.0 mL	Resealable Bags

Eppendorf twin.tec® Trace PCR Plates BioBased	Purity	Variants	Packaging
Skirted, colorless	PCR clean	150 µL, 96 wells	Resealable Bags
Skirted, spring green	PCR clean	150 µL, 96 wells	Resealable Bags
LoBind, skirted, colorless	PCR clean	150 µL, 96 wells	Resealable Bags
Semi-skirted, colorless	PCR clean	250 µL, 96 wells	Resealable Bags
LoBind, semi-skirted, colorless	PCR clean	250 µL, 96 wells	Resealable Bags
Skirted, colorless	PCR clean	45 µL, 384 wells	Resealable Bags
LoBind, skirted, colorless	PCR clean	45 µL, 384 wells	Resealable Bags

* Pyrogen-, Dnase-, Rnase-, DNA-free



Interested in biobased Eppendorf Consumables? Please visit our website: www.eppendorf.com/BioBased

Your local distributor: www.eppendorf.com/contact
Eppendorf SE · Barkhausenweg 1 · 22339 Hamburg · Germany
eppendorf@eppendorf.com · www.eppendorf.com

www.eppendorf.com/BioBased

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ISCC Plus is a logo from ISCC System GmbH, Germany.

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