

NEW:
Tubes and
Tips BioBased

RENEWABLE FEEDSTOCK

ISCC PLUS
023 02447 2368 5668 KMDD 0235

RECYCLING
VEGETABLE OIL REFINING
023 02447 2368 5668 KMDD 0235



2nd Generation Feedstock – 1st Class Consumables

Meet your own sustainability targets with Eppendorf Tubes® and Tips BioBased

The Life Science business of Merck operates as
MilliporeSigma in the U.S. and Canada.

MERCK

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To order, visit
[SigmaAldrich.com](https://www.SigmaAldrich.com)

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. For the first time, we are in a position to offer a generation of Eppendorf Tubes® with screw caps and pipette tips as well as filter pipette tips made of a certified polypropylene based on renewable reused raw materials.

About Bio-based Polymers Used for Eppendorf Tubes® and epT.I.P.S.® BioBased

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 bio-based polymer production, fossil raw material is replaced with sustainable raw material produced from bio-based waste and residues (2nd generation renewable feedstock).

The renewable feedstocks used to produce the raw materials can be backtraced to the first collection points. The origin of the renew-able raw materials from carefully selected suppliers committed to sustainability is assured.

The final polymers are sustainability certified by ISCC PLUS—the leading global certification scheme for manufacturers of bio-based polymers and downstream converters.



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

Food Industry
Food oil wastes
and residues



Feedstock
Renewable



Renewable Feedstock

Central collection point for renewable feedstock from food oil waste streams

Bio-Refinery

Propylene gas

Polyolefin Manufacture

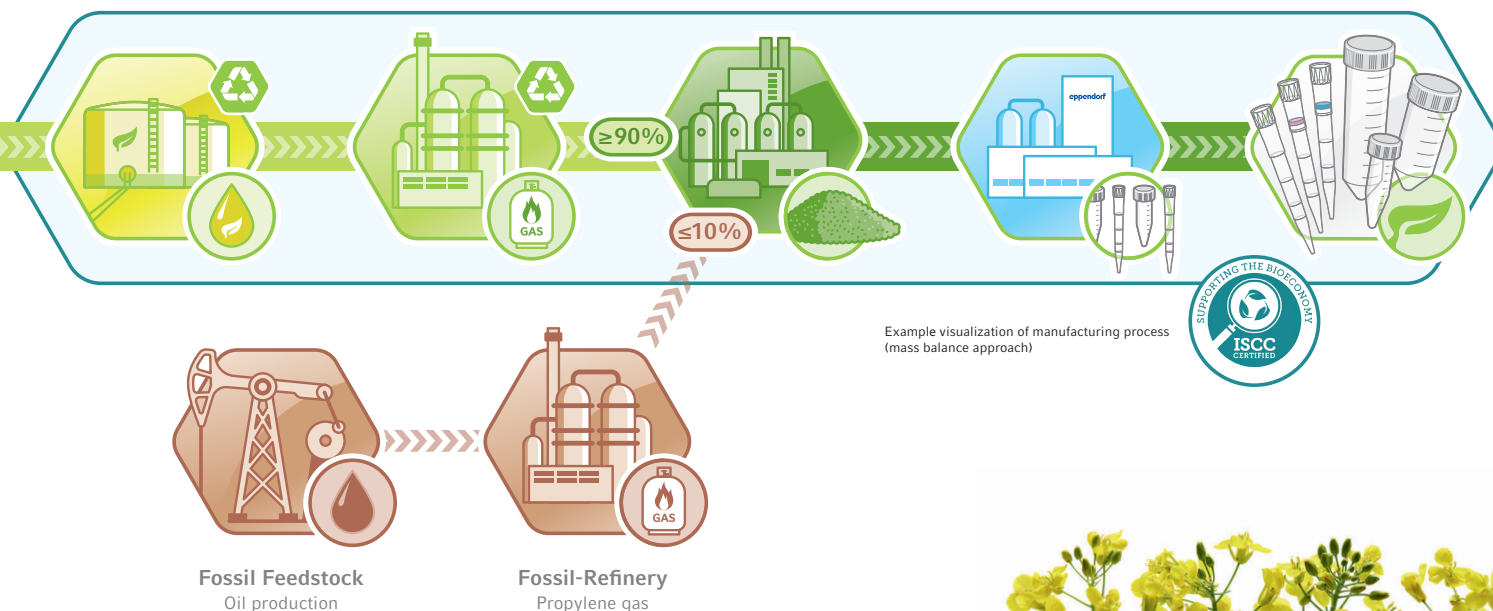
Manufacturing of e.g. polypropylene with at least 90 % renewable and max. 10 % fossil origin

Converter

Eppendorf
Production Center

Final Applications

Bio-based Eppendorf Tubes® and ep.T.I.P.S.® pipette tips



Example visualization of manufacturing process (mass balance approach)

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>

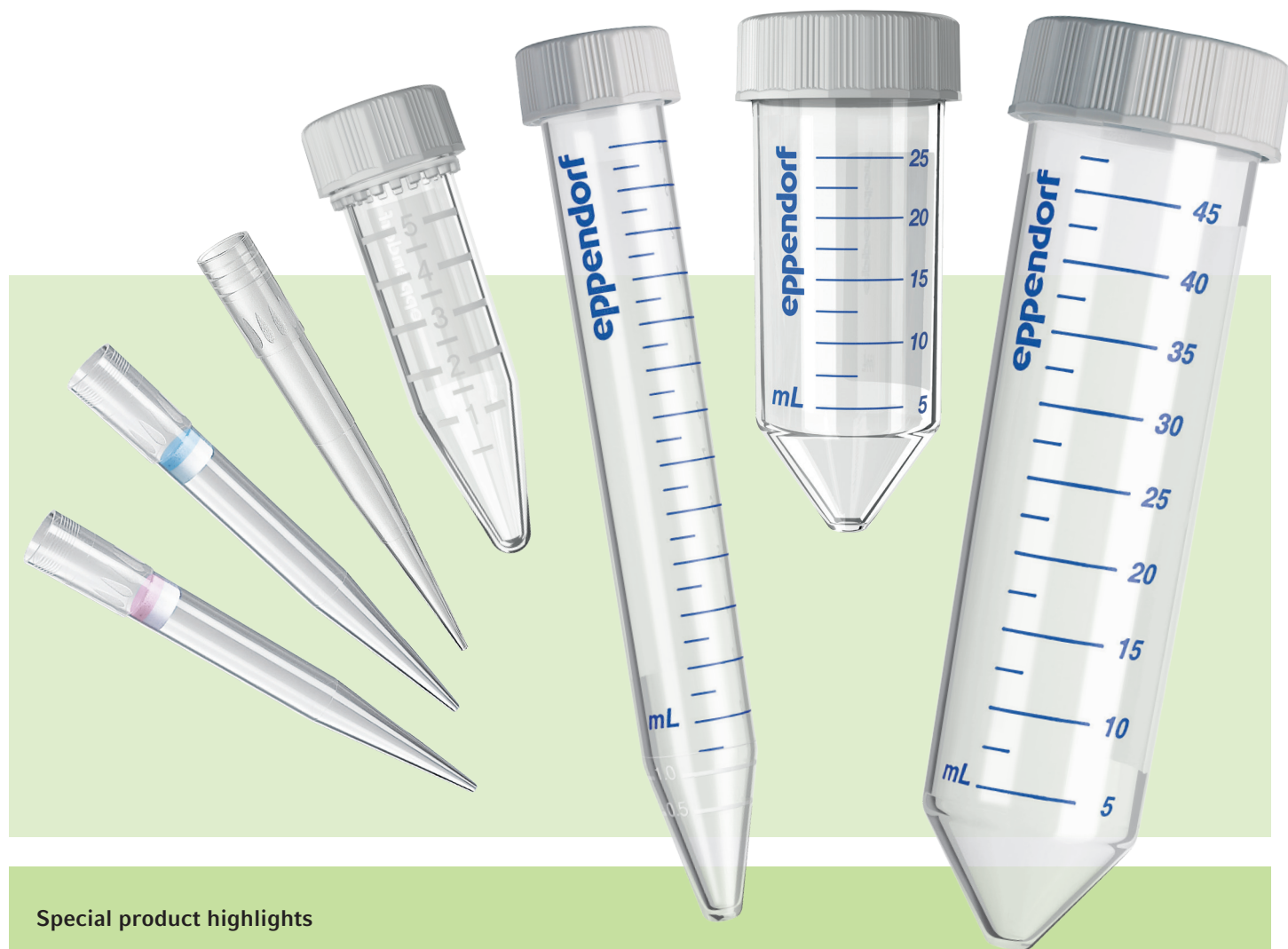


 ACT. The Environmental Impact Factor Label		US
Eppendorf Tubes® BioBased 25 mL		
 ACT. The Environmental Impact Factor Label		
Eppendorf ep Dualfilter T.I.P.S.® SealMax®, Reloads, BioBased, Biopur®, 50 - 1000 µL, 76 mm, blue, 960 Tips (10 Trays x 96 Tips) Oldenburg, Germany SKU 0030081277		
Environmental Impact Scale Decreasing Environmental Impact 1 ————— 10		
Manufacturing		
Manufacturing Impact Reduction	1.0	N/A
Renewable Energy Use	Yes	N/A
Responsible Chemical Management	1.0	10.0
Shipping Impact	8.7	

From Used Cooking Oil to High-Value Products

Bio-based 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



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* and Tips are made from at least 90 % renewable feedstock (recycled e.g. from food oil wastes and residues), applying ISCC mass balance approach. For details, see the product label General Quality Certificates/Compliance with Standards are available separately for Eppendorf Tubes® and epT.I.P.S.® BioBased Product-specific and lot-specific purity certificates as well as an ISCC sustainability declaration for Eppendorf Tubes® and Tips BioBased

* The screw caps are actual fossil-based material.



Identification Feature

Eppendorf Tubes BioBased are packed in resealable bags and in a folding box
 epT.I.P.S. BioBased are available in Sterile Reloads packed in a folding box
 On the bag and on the folding box you find an explanatory additional label placed below the product label on the tubes bag and on the short side of the folding boxes



By choosing these consumables, our customers help to significantly reduce the amount of fossil resources required for their production.

* The screw caps are actual fossil-based material.

The enclosed pipette tips without the filter are made of ISCC certified plastic, the plastic can be traced back to biological waste material which is attributed to these tips via the ISCC mass balance approach. By choosing these tips, our customers help to significantly re-duce the amount of fossil resources required for the production.

Order No.

EP0030075420
 EP0030075439
 EP0030075447
 EP0030075455
 EP0030075463
 EP0030075471
 EP0030081030
 EP0030081048
 EP0030081056
 EP0030081064
 EP0030081072
 EP0030081080
 EP0030081099
 EP0030081102
 EP0030081234
 EP0030081242
 EP0030081250
 EP0030081269
 EP0030081277
 EP0030122518-1EA
 EP0030122526-1EA
 EP0030122534-1EA
 EP0030122542-1EA

Eppendorf Consumables BioBased

Eppendorf epT.I.P.S.® BioBased Reloads Biopur®, ACT 0.1-20 µl
 Eppendorf epT.I.P.S.® BioBased Reloads 2 – 200 µL Biopur®, ACT
 Eppendorf epT.I.P.S.® BioBased Reloads 2 – 300 µL Biopur®, ACT
 Eppendorf epT.I.P.S.® BioBased Reloads 50 – 1,000 µL Biopur®, ACT
 Eppendorf epT.I.P.S.® BioBased Reloads 50 – 1,250 µL Biopur®, ACT
 Eppendorf epT.I.P.S.® BioBased Reloads 50 – 1,250 µL L Biopur®, ACT
 Eppendorf epT.I.P.S.® Dualfilter BioBased Reloads 0,1 – 10 µL L PCR clean and sterile, ACT
 Eppendorf epT.I.P.S.® Dualfilter BioBased Reloads 0,5 – 20 µL L PCR clean and sterile, ACT
 Eppendorf epT.I.P.S.® Dualfilter BioBased Reloads 2 – 20 µL L PCR clean and sterile, ACT
 Eppendorf epT.I.P.S.® Dualfilter BioBased Reloads 2 – 100 µL L PCR clean and sterile, ACT
 Eppendorf epT.I.P.S.® Dualfilter BioBased Reloads 2 – 200 µL L PCR clean and sterile, ACT
 Eppendorf epT.I.P.S.® Dualfilter BioBased Reloads 20 – 300 µL L PCR clean and sterile, ACT
 Eppendorf epT.I.P.S.® Dualfilter BioBased Reloads 50 – 1000 µL L PCR clean and sterile, ACT
 Eppendorf epT.I.P.S.® Dualfilter BioBased Reloads 50 – 1250 µL L PCR clean and sterile, ACT
 ep Dualfilter T.I.P.S.® SealMax® BioBased Reloads 0,5 – 20 µL Biopur®, ACT
 ep Dualfilter T.I.P.S.® SealMax® BioBased Reloads 2 – 100 µL Biopur®, ACT
 ep Dualfilter T.I.P.S.® SealMax® BioBased Reloads 2 – 200 µL Biopur®, ACT
 ep Dualfilter T.I.P.S.® SealMax® BioBased Reloads 20 - 300 µL Biopur®, ACT
 ep Dualfilter T.I.P.S.® SealMax® BioBased Reloads 50 – 1,000 µL Biopur®, ACT
 Eppendorf Tubes® BioBased 5,0 mL ACT
 Eppendorf Tubes® BioBased 15 mL ACT
 Eppendorf Tubes® BioBased 25 mL ACT
 Eppendorf Tubes® BioBased 50 mL ACT