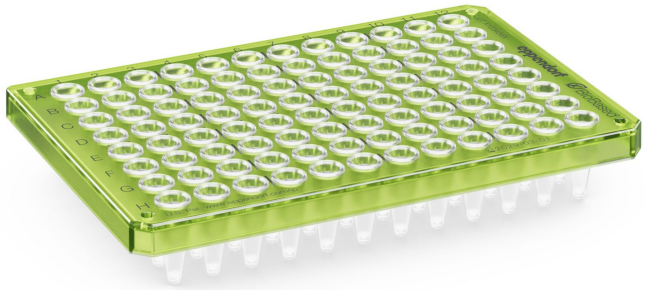
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Eppendorf Launches New BioBased PCR Plates to Enhance Laboratory Sustainability

April 25, 2024 | News

With the introduction of twin.tecÃ?Â® Trace Plates made from biobased polymers, Eppendorf advances sustainability in lab environments, meeting growing demands for eco-friendly alternatives without sacrificing performance.



Eppendorf's customers depend on the high performance and reliability of the plates used in their high-throughput processes. However, increased throughput results in a higher carbon footprint due to the use of single-use plates made from fossil-based plastics. There is now a growing demand for more sustainability.

Eppendorf's biobased consumables open up new doors to make laboratory work significantly more sustainable without the need to revalidate existing protocols when switching from our legacy consumables.

Eppendorf has now expanded its portfolio with the addition of the twin.tec® Trace Plates - the automation-friendly two-component skirted and semi-skirted PCR plates - as part of the switch towards consumables made from biobased feedstock. The plates come with 96 wells and are available in translucent clear.

All components of the new plates are crafted from bio-circular polymers manufactured using second-generation renewable feedstock, following the mass balance approach. The exceptionally thin-walled wells, which ensure optimal heat transfer, are constructed from 100 % biobased polypropylene, while the rigid frame is composed of 77 % biobased polycarbonate. This combination results in a highly reliable and sustainable PCR plate.

Eppendorf twin.tec® Trace PCR Plates BioBased are manufactured in a certified ISCC PLUS* environment and have received ACT certification. All biobased Eppendorf laboratory consumables in Germany meet the requirements of the ISCC PLUS certification system and undergo regular external audits and certifications.