

To make your
workflow excellent.



Sustainable by design

SARSTEDT – because smart products don't need more.

A background image showing a hand in a blue glove holding a test tube with a pipette. The test tube is labeled 'S-Monovette Serum Gel CAT/4.0ml'. The background is a light blue surface with green and white circular particles scattered around the hand and test tube.

EVERY
%
COUNTS



Because every percentage point counts

Sustainability, designed into products

Our commitment

As a responsibly managed family business, SARSTEDT feels a sense of responsibility towards the environment, society, and future generations. In an industry where high quality plastics are indispensable, we recognise the need to promote sustainable solutions – with the aim of balancing environmental compatibility and medical requirements.

Our actions

We design our products with sustainability in mind from the very beginning. Ecological responsibility guides every decision, focusing on three aspects: minimising materials, developing recyclable products, and using recyclate wherever possible. We continuously optimise processes, use resources carefully, and reduce our footprint along the value chain. Through waste prevention, resource-efficient production, and recycling, sustainable product development is a core element of our strategy.

Less is more

S-Monovette® – Minimising the use of materials



-40%* -32%***
CO₂e per blood collection

-93%* **-33%***
rubber with the S-Monovette® cap emissions by using PP instead of PET

Sustainability that works: S-Monovette® venous blood collection system saves up to 40% CO₂ equivalent (CO₂e) and reduces material use by 32% with every blood collection.*

The CO₂e and material reduction were recorded by evaluating the weight and the materials used. To compare blood collection systems, three S-Monovettes were compared with three vacuum tubes, including their associated needles.

This is made possible by a smart system design with resource-saving components – for the highest quality with a measurable environmental benefit. Choose efficiency with responsibility.

Comparison of yearly savings

Blood collections per day	Blood collections per year	Material reduction in kg	CO ₂ e savings in %***	CO ₂ stored in number of trees****
100	36,500	329	40	58

To make different greenhouse gases comparable, they are converted into CO₂e according to their global warming potential.

* Compared to vacuum systems

** Federal Office for Economic Affairs and Export Control, 2024. Information sheet on CO₂ factors
BAFA Federal Agency for Energy and Resource Efficiency in the Economy – 2024

*** To compare different greenhouse gases, these are converted into CO₂ equivalent (CO₂e) according to their global warming potential. (German Environment Agency [Umweltbundesamt], 2023. CO₂ equivalent)

**** 22 kg CO₂/tree/year (European Environment Agency (EEA), 2021. Forests, health and climate change)





The SARSTEDT principle is to minimise the use of raw materials for both the product and the packaging components of the S-Monovette®. The EFLM* Task Force Green Labs' "Guidelines for Green & Sustainable Laboratories" describe the requirements for plastics and packaging in section 5.2.1.1.

Medical laboratories can become certified as a Green Lab, and SARSTEDT supports this by providing product and packaging components that save resources!



More information about Green Lab can be found at
greenlabs.eflm.eu



User-friendly cardboard packaging that allows environmentally friendly production and disposal: The S-Monovette® box can be folded flat to considerably reduce waste volume – while competitors still rely on Styrofoam solutions.



A 4-litre Multi-Safe box can hold up to 330 S-Monovette® Safety Needles. Five times more disposal boxes are needed for equivalent needle quantities, including needle holders, when using other blood collection systems.

Ecological benefits: Save CO₂e with the Urine Monovette®

Advantages of the Urine Monovette® compared to vacuum systems

The CO₂e and material reductions were recorded by evaluating the weight and the materials used. The urine collection systems were compared using a SARSTEDT Urine Monovette® including collection tip and three different vacuum tubes including the corresponding transfer unit.

The results of this study clearly show the advantages in terms of ecological sustainability using SARSTEDT's Urine Monovette® urine collection system:

- 44% less CO₂e per urine collection
- 29% less material used compared to vacuum systems
- 100% less rubber thanks to the Urine Monovette® cap
- 100% fewer steel needles thanks to needle-free sampling.

Our contribution towards greater ecological sustainability in clinics, practices and laboratories.

Sustainable diagnostics and ecological advantage

The Urine Monovette® stands for sustainable diagnostics, combining smart technology with a noticeable environmental advantage – no steel cannula, no rubber, but up to 44% less CO₂e per urine sample. The innovative system reduces material use by 29% and impresses with its efficiency, safety, and clear ecological advantage.

-44%*

CO₂e per urine collection

-29%*

material consumption

-33%*

emissions by using PP instead of PET



More information about the Urine Monovette®

nft.sarstedt.com



Comparison of yearly savings

Urine collections per day	Urine collections per year	Material reduction in kg	CO ₂ e savings in % **	CO ₂ stored in number of trees***
50	18,250	60	44	> 10
100	36,500	120	44	> 20
500	182,500	600	44	> 100

* Compared to vacuum systems

** Federal Office for Economic Affairs and Export Control, 2024. Information Sheet CO₂ factors Federal funding for energy and resource efficiency in the economy – grant (updated 08/2024)

*** 22 kg CO₂/tree/year (European Environment Agency (EEA), 2021. Forests, health and climate change)

Back into the cycle

Refill and Recycle pipette tips – focus on recyclability

Up to
-64%

plastic material
in production*

738,168

200 µl SingleRefill
boxes were collected
in 2024

173,647

New racks can be produced
from the regranulate



Space-saving & fuel-efficient

The compact format
cuts storage space and
transport emissions

34,000 kg

Polypropylene was
fed into the recycling
process in 2024



Sustainability has never been easier. Our innovative boxing and re-filling system combines maximum stability with minimal material use – saving plastic and energy in production.

Thanks to the StackPack system's compact design, 480 tips fit into the space of just 192 in conventional boxes, reducing storage needs and transport emissions. With up to 64% less material used, it conserves valuable resources. After use, components are easily collected and recycled into new products. A truly circular solution for a more sustainable future.

By recycling our pipette tip boxes, we close the material cycle. This means that the collected material is reused for manufacturing new products. This significantly reduces the need for new raw materials and helps make production more sustainable.

“

By rethinking the design of its products, SARSTEDT creates easily recyclable items and therefore reduces its environmental impact.

Céline Guillon,
Sales Manager Reviplast SAS

”

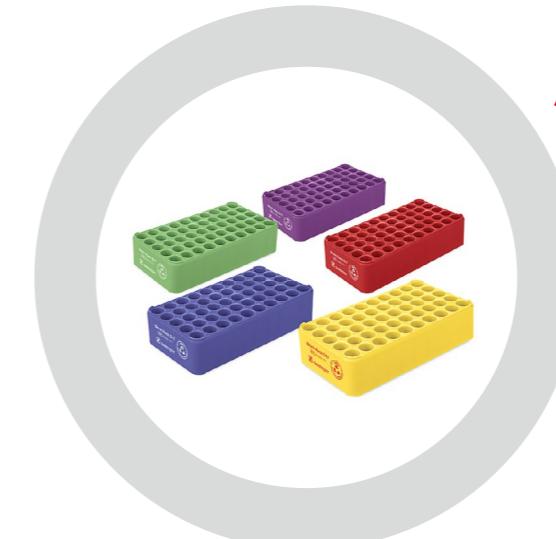
What's next: Our raw materials – valuable and reusable



Collection of
empty boxes
and trays



Collection and
transport to
the recycler



New SARSTEDT
products



Processing
into plastic
regranulate

New life for old materials

Made from secondary raw materials

Up to
61%
recycled content

Up to
43%
CO₂e savings

Multi-Safe REC

With the Multi-Safe REC series, SARSTEDT offers a solution that combines safety and sustainability: the disposal boxes are made from up to 61% recycled plastic (PCR) and enable CO₂e savings of up to 43% compared to boxes made from new material. They therefore contribute to resource conservation without compromising on hygiene or quality. This is an important step towards sustainable practices in healthcare – and proof that responsible waste management and maximum safety go hand in hand.



100%
recycled polypropylene (rPP)

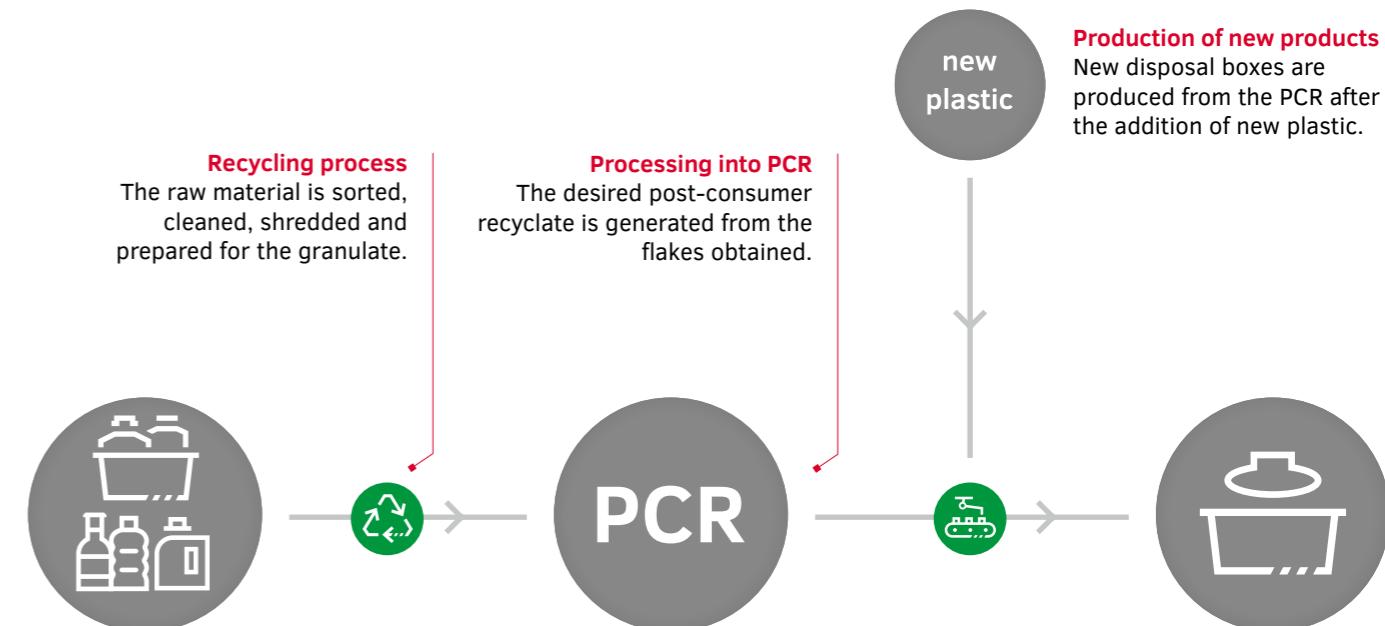
On average
-32.5%
less CO₂ emissions
by using regranulate

Block racks

Our block racks are made entirely from recycled polypropylene (rPP), which is obtained from recycled pipette tip boxes, among other sources. This clever recycling system enables us to reduce CO₂ emissions by an average of 32.5% and actively contribute to reducing plastic waste.



From packaging waste to disposal box:
Turning waste into responsibility



Used plastic packaging, such as yoghurt pots, is turned into so-called **post-consumer recyclate (PCR)**. Together with **new plastic** – to ensure the highest quality standards – this

recycled material is used in the production of new waste disposal boxes, with a recycled content of up to 61%*. Resource-saving and sustainable.

ADVANTAGES OF POST-CONSUMER RECYCLATE (PCR):

- **Promotes the circular economy:** PCR material makes it possible to recycle used products at the end of their life cycle and convert them into new ones – an active contribution to closing material cycles.
- **Recycles waste, reduces energy consumption and the use of new raw materials:** PCR material utilises packaging waste from everyday life, thereby conserving landfill sites, resources and energy.

* Individual values can be requested from our sales department if required.

** Compared to a disposal box made of 100 % new material.



Tested. Measured. Lived.

Sustainable by design. Responsible in production.

>90%

of our products are manufactured at our own sites – ensuring less transport, lower emissions and stronger local economies

100%

green electricity powers all our German production sites

For us, sustainability is not a single project or product, but a central component of our business activities. We are taking action in many areas to conserve resources and take responsibility, such as:

- Heat recovery for efficient energy use
- Expansion of renewable energies, e.g., solar systems and e-charging stations
- ISO 14001 and ISO 50001 environmental and energy management – sustainability and protection integrated in every process.

With SARSTEDT, you are not only choosing high-performance products of outstanding quality. You are choosing a partner that practices sustainability along the entire value chain. With your choice, you too are contributing to the synergy of progress and responsibility – today and in the future.

Find out more about our products and our comprehensive commitment to sustainability!



Responsibility leads to sustainability

As an independent family business, we hold a deep commitment to the environment and future generations. Aligned with this responsibility, we continuously optimise our operations to promote societal growth, minimise our ecological footprint, and consistently safeguard human health.



You can find a comprehensive overview of our strategic approach to sustainability in our sustainability brochure.

www.sarstedt.com/ls-about-en



Shape the future –
choose sustainable products today.

Visit our website: www.sarstedt.com

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