

# Urine Monovette®

The sustainable urine collection system



**44%**

CO<sub>2</sub>e reduction\*

**29%**

less material use\*

\* Compared to vacuum systems



Pre-analytics



# Reduce CO<sub>2</sub>e with the Urine Monovette®!

To make different greenhouse gases comparable, they are converted into CO<sub>2</sub> equivalents (CO<sub>2</sub>e) according to their global warming potential\*.

**Compared to vacuum systems, 100 urine collections per day – calculated over the course of a year – reduce as much CO<sub>2</sub>e as more than 20 trees \*\* can store per year.**



## Advantages of the Urine Monovette® compared to vacuum systems

Our contribution to greater ecological sustainability with every urine collection.

The reductions of CO<sub>2</sub>e and material were determined 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 ecological advantages of using the Urine Monovette® urine collection system:

- 44% less CO<sub>2</sub>e with each urine collection
- 29% less material used compared to vacuum systems
- 100% less rubber thanks to the Urine Monovette® cap
- 100% less steel needles thanks to needle-free sampling

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



### Comparison of annual savings

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

\* Federal Office for Economic Affairs and Export Control, 2024. Information Sheet CO<sub>2</sub> factors Federal funding for energy and resource efficiency in the economy – grant (updated 08/2024), [www.bafa.de/SharedDocs/Downloads/DE/Energie/eeew\\_infoblatt\\_co2\\_faktoren\\_2024.pdf?\\_\\_blob=publicationFile&v=2](http://www.bafa.de/SharedDocs/Downloads/DE/Energie/eeew_infoblatt_co2_faktoren_2024.pdf?__blob=publicationFile&v=2) eeew\_infoblatt\_co2\_faktoren\_2024.pdf

\*\* 22 kg CO<sub>2</sub> / tree / year (European Environment Agency (EEA), 2024, [www.eea.europa.eu/articles/forests-health-and-climate-change](http://www.eea.europa.eu/articles/forests-health-and-climate-change))

SARSTEDT follows the principle of minimising the use of raw materials in both the product and packaging components of the Urine Monovette®.

The **"Guidelines for green and sustainable medical laboratories"** of the EFLM\*\*\* Task Force Green Labs 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 conserve resources!

More information about Green Lab can be found at [greenlabs.eflm.eu](http://greenlabs.eflm.eu)



\*\*\* European Federation of Clinical Chemistry and Laboratory Medicine

## Working together for more sustainability and environmental protection

The world, and thus also our global community, are on the cusp of a major change. Climate change will continue to be a factor in the future and impact our day-to-day lives in a variety of ways. As a result, it is essential to develop environmentally friendly and ecological technologies and implement them wherever possible. As a family-owned plastics processing company, we believe it is important to look beyond our business goals and take particular responsibility for future generations. There is currently no alternative to using non-recycled polymers in plastic injection moulding to produce our

high-quality medical devices and laboratory products, as our customers around the world rely on the highest grades of purity and safety certifications to ensure optimal patient care and compliance with the stringent requirements for laboratory work. In light of this, we aspire to live, promote and consistently expand sustainability.



Learn more about SARSTEDT  
[www.sarstedt.com/en/the-company/about-us/about-us](http://www.sarstedt.com/en/the-company/about-us/about-us)

## TODAY AND IN THE FUTURE

SARSTEDT is committed to ecological sustainability and environmental protection for present and future generations



### We are certified

Our sites in Oberberg, Hemer and Rheinbach are managed according to a recognised company environmental management system in line with the ISO 14001 certification. Sustainability no longer applies only to the products themselves, but also the way in which they are produced. That is why we act in an environmentally aware manner along our entire value chain.



### CO<sub>2</sub> reduction

One of our primary goals is total carbon neutrality with regard to the use of fuels, propellants and electricity. We already use carbon-neutral green energy at all our sites in Germany. We continue to consistently implement the expansion of our green energy supply to all sites worldwide.



### We recycle

As a plastics processing company, recycling is a key topic for us. Even if there is still no alternative to using virgin plastic in many areas of the medical and laboratory sectors, we rely on recycling products and materials wherever possible.



### We rely on renewable energy

The goal of our sustainability strategy is to progressively expand the use of renewable energy. We make a significant contribution to sustainability with the consistent use of renewable energies, e.g. through photovoltaic systems on the roofs of our production halls.



### We practice sustainable development

As part of our product development process, we focus on sustainable materials management. With our revolutionary boxing and refilling concept for pipette tips, we provide an innovative solution for sustainable laboratory work. 70% less storage space. 64% less material.



### We initiate environmental projects

With a variety of nature restoration projects, we ensure biodiversity, conservation as well as the conversion of CO<sub>2</sub> into oxygen.



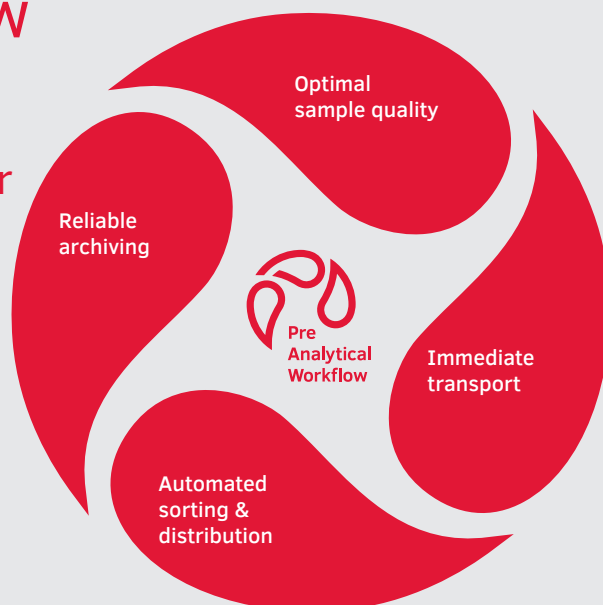
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If you have any questions,  
we'll be happy to help!

Visit our website:  
[www.sarstedt.com](http://www.sarstedt.com)

## Pre-analytical workflow made by SARSTEDT

Take advantage of the synergy of our  
synchronised systems.



### SARSTEDT AG & Co. KG

Sarstedtstraße 1  
D-51588 Nümbrecht

Phone: +49 2293 305 0

[export@sarstedt.com](mailto:export@sarstedt.com)  
[www.sarstedt.com](http://www.sarstedt.com)



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