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Eppendorf introduces first microcentrifuge with hydrocarbon cooling

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Covering a wide range of applications in the field of molecular and cell biology



Germany headquartered life science company Eppendorf, that develops and sells instruments and consumables, has introduced Centrifuge 5427 R, the first Eppendorf microcentrifuge with hydrocarbon cooling to contribute to an even more sustainable laboratory environment.

With this offering, customers can now perform various molecular and cell biology applications while using a refrigerated device that contains a natural cooling agent with a GWP of almost zero. To protect your samples – and the planet.

Natural cooling agents, like R290 (propane), have a similarly low global warming potential (GWP) as CO2 (<3), while conventional refrigerants such as R134a have a GWP of 1430 and thus have a disproportionately greater impact on global warming when released into the environment.

The ACT label certification of Centrifuge 5427 R makes it even easier for customers to choose a more sustainable product, since this label gives a clear, third-party verified information about its environmental impact (e.g. manufacturing, energy and water usage as well as packaging and product end-of-life).

However, the new Centrifuge 5427 R scores not only with its reliable propane cooling. Due to its compact footprint and the dual-row rotor FA-45-48-11 for up to 48 x 1.5/2 mL tubes, it is the optimal solution for laboratories with a high sample throughput. Due to its large rotor selection, it is also a good choice for areas where many users share the instrument- the nine rotor options, consisting of fixed-angle and swing-bucket rotors, cover a wide range of applications in the field of molecular and cell biology.