

## Press Release

# The solution for NGS library-construction in cases of small sample numbers and limited space in the laboratory: epMotion® 5073m NGS solution

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Until now, the automated construction of Next Generation Sequencing libraries has only been economical for preparations of at least 96 samples, as entire plates are processed using multichannel dispensing tools. Furthermore, large pipetting stations are often costly and take up valuable space in the laboratory. As a result, smaller sample numbers are processed manually using pipettes. This approach requires time and concentration, and it involves a multitude of pipetting steps. Pipetting errors are difficult to avoid entirely, and they are rarely traceable. At the same time, NGS libraries, and the quality of their sequences, rely on the accuracy and reproducibility afforded by automated pipetting stations.

A solution is now available for all researchers who work with small sample numbers, whose laboratory space is limited or who generate NGS libraries manually. Up to 24 samples can be processed simultaneously in a fully automated fashion using the epMotion® 5073m NGS solution. The work station is optimized in such a way that almost no intervention is required and the construction of the library can proceed independently. Smooth operation is guaranteed by ample space for a sufficient number of pipette tips, the three required single and multichannel pipetting tools in the volume range covering 5-300 µL, and a special rack that accommodates all the required solutions.

The renowned precision and accuracy of Eppendorf pipettes also applies to the dispensing tools within the epMotion. The optimized epBlue™ software enables smart use of the single channel and multichannel dispensing tools in order to optimize pipetting steps and tip use even in the case of odd sample numbers. This saves time and money, and it reduces waste. And all of that on a footprint of only 6 letter-sized pieces of paper. Notification emails generated by the system to alert the user about manual steps allow the operator to step away from the instrument and focus their attention on other tasks.

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The connection to Visionize® enables monitoring of run time, mixer temperature and instrument status of the PC as well as mobile terminal devices.

The solution for the construction of your NGS library: epMotion® 5073m NGS solution [www.eppendorf.com/ngs-compact](http://www.eppendorf.com/ngs-compact)

## About Eppendorf:

Eppendorf is a leading life science company that develops and sells instruments, consumables, and services for liquid handling, sample handling, and cell handling in laboratories worldwide. Its product range includes pipettes and automated pipetting systems, dispensers, centrifuges, mixers, spectrometers, and DNA amplification equipment as well as ultra-low temperature freezers, fermentors, bioreactors, CO2 incubators, shakers, and cell manipulation systems. Consumables such as pipette tips, test tubes, microplates, and single-use bioreactor vessels complement the range of highest-quality premium products.

Eppendorf products are most broadly used in academic and commercial research laboratories, e.g., in companies from the pharmaceutical and biotechnological as well as the chemical and food industries. They are also aimed at clinical and environmental analysis laboratories, forensics, and at industrial laboratories performing process analysis, production, and quality assurance.

Eppendorf was founded in Hamburg, Germany in 1945 and has more than 3,100 employees worldwide. The company has subsidiaries in 26 countries and is represented in all other markets by distributors.

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