**qTOWER iris – the new qPCR allrounder**

**Analytik Jena presents qPCR product novelty at LABVOLUTION 2023**

**Jena, May 8, 2023 – Analytik Jena, the global supplier of analytical measurement technology, will present the next generation of real-time PCR thermal cyclers at this year’s LABVOLUTION: qTOWER iris is a further development of the qTOWER series and rings in a new era of qPCR thermal cycling. The new design features an extended wavelength range up to the UVA spectrum as well as improved software and numerous new benefits that ensure the highest level of application comfort and efficiency.**

Multiplex assays are playing an increasingly important role in real-time PCR and are becoming a rapid and practical screening assay in all areas of life sciences. One of the biggest challenges in multiplex assays is the clean resolution of the individual fluorescence signals without crosstalk.

With a unique multicolor LED light source and matching filter modules, the new qTOWER iris enables optimal resolution of the individual color channels and delivers reliable qPCR results with multiplexing of up to 6 targets. With a wavelength range from UV to NIR, the qTOWER iris achieves unique flexibility in the real-time PCR thermal cycler field and beyond. All together the new qTOWER iris offers a broad application range and the best price-performance ratio in the market.

High quality sample block technology ensures best thermal well-to-well uniformity and unrivalled ramping rates. The low noise emission of the qTOWER iris and its compact design makes it ideal for any lab. As every Analytik Jena qPCR device, the qTOWER iris offers maximum flexibility. The system with its freely configurable color filter selection is open for all qPCR consumables and reagents. The 10-year long-term warranty on the patented fiber-optical system proves the high quality and trusty engineering of Analytik Jena’s products.

The Smart Software user interface with enhanced functionalities, such as extended network accessibility, enables control of multiple units. Thanks to the improved algorithm, laboratories achieve even more precise and reliable results – from single to multiplex qPCR applications.

„With the new light source and additional features, this is the best qTOWER ever – there is no better choice for our customers. With maximum flexibility and high reliability of results, the qTOWER iris is also currently one of the best real-time PCR thermal cyclers on the market,“ states Dr. Ines Leonhard, product manager at Analytik Jena.

The new qTOWER iris will be presented at Analytik Jena’s booth at LABVOLUTION 2023 (booth C71 in hall 19). Join us for the presentation of the new qTOWER iris and listen to the talk on multiplex qPCR applications by Dr. Ines Leonhardt live on site – May 10, 2023, 11.30 AM – 12.00 AM at booth D85 in hall 20.

Find more information here:<https://www.labvolution.de/veranstaltung/new-qtower-iris-expands-your-horizons-in-the-field-of-single-to-multiplex-qpcr-applications/vor/104779>

**Other topics Analytik Jena is presenting at Labvolution 2023**

We invite you to discover the Benchtop Workstation for (q)PCR at our booth: The fully automated system for qPCR is based on the high performance qTOWER auto real-time PCR cycler and includes enhanced sample preparation with the CyBio FeliX. It applies a smart robotic integration with the CyBio Carry and allows for an ultracompact design fitting on a standard lab bench. For a fully automated PCR system the Biometra TRobot II thermal cycler will be presented as the best choice.

**New Software Biometra TSuite**

Today's daily laboratory routine in the life science sector is characterized by time, cost and efficiency pressures. With the new thermal cycler management software "Biometra TSuite", Analytik Jena is launching a tool that allows the current Biometra thermal cycler series to be programmed, monitored and managed easily and centrally. Gain an on-site insight into the functions of the Biometra TSuite software and the operating concept, which guides users easily through the application. Learn how to keep an eye on all PCR applications live from one desktop.   
  
Further information on the Biometra thermal cycler family can be found at:  
[www.analytik-jena.de/produkte/life-science/pcr-qpcr-thermocycler/thermocycler-pcr/](http://www.analytik-jena.de/produkte/life-science/pcr-qpcr-thermocycler/thermocycler-pcr/)

Press release on the Biometra TSuite Software:   
[New "Biometra TSuite" software simplifies and speeds up thermal cycler (PCR) management](http://www.analytik-jena.com/company/news-press/press-releases/new-biometra-tsuite-software-simplifies-and-speeds-up-thermal-cycler-pcr-management/)

Brochure Biometra TSuite:   
<https://www.analytik-jena.de/fileadmin/import/assets/12712108_FL_Biometra_TSuite_Software_en.pdf>

**About Analytik Jena**   
Analytik Jena is a leading supplier of analytical measurement technology, instruments in the field of molecular biology, and liquid handling and automation technology. Precise results and easy handling are the top priorities in the development of Analytik Jena's laboratory analysis products. Services as well as instrument-specific consumables round out the comprehensive range of products. Analytik Jena is part of the Endress+Hauser Group, a family-owned company based in Switzerland.

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