PRESS RELEASE

Swedish biotech company Mabtech, in R&D collaboration with Qamcom, introduces an elegant new multiplex platform to accelerate development of new treatments and vaccines

- ***The EYRA protein analysis platform will significantly reduce costs and hassle associated with other solutions, aiding researchers all over the world within immunology, infectious diseases and inflammation.***

Stockholm, Sweden, 22 April 2024: Mabtech, a Swedish life science tools company developing immunoassay biochemical tests for research, announces a new highly innovative image-based multiplex platform in close collaboration with research and technology specialist Qamcom. The first-of-kind Mabtech EYRA is a no-contact, automation-ready instrument based on a purpose-built confocal microscope, where the complete laser-based product has been designed and developed by Qamcom according to the performance wishes of Mabtech researchers. Combined with Mabtech's advanced EYRAplex analyte kits, the complete platform is a powerful tool developed specifically for researchers in the global arena driving innovation in immunology and antibody-based vaccine and drug development.

- "The revolutionary new EYRA platform places Mabtech in pole position to fill a major gap in the market and capture significant market share**,"** says Mabtech CEO, Phill Keefe.

EYRA's highly intuitive, easy-to-use user interface and automated data acquisition and analysis software will streamline efficiency, workflow and reproducibility of data – in combination with extremely high number of simultaneous analytes for an image-based instrument, it significantly reduces both time in analyzing results and easy-of-use, setting it apart from other solutions available to researchers.

- "EYRA can accurately detect 40 analytes simultaneously (29-plex kits available at launch) – with automation-ready capability to scale up.

- "Introduction of EYRA means the impossible is starting to become a reality. Researchers can now significantly step-up, analyze and store results on a tremendously large scale," continues Keefe.

Developed for use cases across the drug development value chain, Mabtech is providing a one-stop-shop for research teams in a highly user friendly, care-free, complete platform including advanced software, benchmark reader instrument, and robust analysis kits to enable fast, precision results.

Christian Smedman, CTO at Mabtech, "Our goal is to aid research by providing the scientific community with innovative tools. Customers indicated they were tired of the hassle of daily and weekly maintenance routines, expensive validation/verification consumables, waste,

and clunky software and tools involved in analyzing samples. Mabtech answered the challenge."

- "How? The next generation image-based EYRA reader can analyze 40 analytes simultaneously in a single experiment in a single well at picogram per milliliter level, using very high-quality image scanning for precision results and accuracy in only 12 minutes per 96-well plate. Competitive solutions simply can't provide the combined efficiency of EYRA; the simplicity, speed, ease of use and efficiency of a hands-free tool."

Mabtech identified a gap in the market

- Standard solutions using flow cytometry devices require extensive, time-consuming manipulation, preparation, clean-up and shutdown
- EYRA was developed to improve efficiency and workflow, and reduce costs in the investigative research market
- "No contact" EYRA read-out machine provides a "push start and walk-away" solution, positioning the company to revolutionize the market
- Mabtech's complete multiplex platform will provide best cost per sample on the market with precision accuracy

Technical collaboration with Qamcom
The two companies have a long R&D partnership starting already in 2016 with the development of Mabtech IRIS and ASTOR and involving several high-profile product innovations since.

- "Ann Louise Johansson, PhD and General Manager at Qamcom, "We innovate together. For EYRA, Mabtech saw a potential in the market that we could meet together. Our team has worked closely together with Mabtech to design and develop a revolutionary platform based on a purpose-built confocal microscope that has the possibility of changing the landscape of the multiplex market. Coupling Mabtech biotech competence with Qamcom's technical expertise in advanced product development, we are proud to have achieved highly innovative results with the EYRA platform."

"-Christian Smedman adds, "Qamcom is a company that strives for the highest levels of excellence in software and hardware development. This makes them a good fit for Mabtech because we share those fundamental values in our approach to immune assay development and customer experience. Whatever we ask for, Qamcom can make it happen."

- "EYRA comes from the name Eira, the Norse goddess of medicine and healing," continues Smedman. The 'Y' in EYRA is a little shoutout to the Y-shaped structure of antibodies, which are at the heart of what we do."

Hands-free, “walk-away” experience

- Plug-and-play instrument operation
- Press “Power” + insert plate + press “Read”
- Automatic output of publication-ready data
- No start-up, shutdown, calibration procedures, or waste
- Instrument can run 24/7

Value for researchers:

- Mabtech EYRA will help researchers get accurate data faster and more efficiently thus accelerating effective development of new treatments and helping to save lives
- Confocal Imaging of magnetic beads (no contact read out) eliminates need to prime, clean instrument and potential clogging issues
- No contact, highly intuitive hardware and software means minimal set-up and on-boarding; no daily warm-up, fluid management, waste disposal, clogging issues, probe height calibration or weekly calibration, shut down time compared to flow cytometers
- Revolutionary 12 minute read time compared to other bead-based solutions
- Easy to use software automatically performs data analysis and exports multiple plates into one Excel file - easy to manage Excel and graphics software
- Patent-pending RAWsphere™ algorithm, based on high-dimensional optimization problems for application-specific data analysis, ensures highly accurate bead identification and signal detection.
- EYRA + EYRAplex kits enable faster and more accurate analysis by streamlining entire process in one innovative platform
- Developed in accordance with ISO 9001 and ISO 13485 standards

EYRAplex bead-based assays kit:

- EYRAplex assays perfect for measuring high number of analytes in a single sample, saving time, resources, and samples
- Fine-tuned for complex patient samples, increasing data reliability and reducing potential of false positives
- Perform seamlessly with the Mabtech EYRA™ - work with most flow cytometers
- Detectable analytes in 111/144 samples with EYRA vs 89/144 with competitor
- 29-plex kits at launch, and higher plex to come

About Mabtech

Mabtech is a Swedish company whose mission is to stimulate life science research, by providing the scientific community with optimized immunoassays and instruments, in particular tools for ELISpot, FluoroSpot, and ELISA. To that end, Mabtech develops and produces a wide range of monoclonal antibodies, kits, peptide pools, and instruments for in vitro applications. Founded in 1986, Mabtech currently operates from its offices in Europe and in North America, in collaboration with a network of distributors around the globe.

About Qamcom

Qamcom is a full-service technology partner that transforms ideas and concepts into market-ready products within Medtech, Telecom, Big Science and Defense. With R&D capability for advanced development of smart, connected, embedded systems, Qamcom acts like a power bank for your team and project, unlocking the full potential of your vision. Together with our partners, we push boundaries to enable high ambitions by turning technology into value. Find out more at qamcom.com.

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