Trusted solutions for Next-Generation Sequencing

Guiding your lab to reliable results. Every step of the way.
In 2017, Agilent Technologies acquired Multiplicom in order to, together, create a comprehensive offering in Next-Generation Sequencing solutions under the Agilent flag. Agilent now has the right solution for every application and for different markets.

About Multiplicom
Multiplicom has been a strong and reliable player in Next-Generation Sequencing ever since its establishment in 2011. All its products and solutions incorporate the latest medical findings on human genetics, oncology and prenatal testing and are developed and manufactured in compliance with the most stringent international quality standards.

About Agilent
Agilent is a leader in life sciences, diagnostics and applied chemical markets. The company provides laboratories worldwide with instruments, services, consumables, applications and expertise, enabling customers to gain the insights they seek. Agilent’s expertise and trusted collaboration give them the highest confidence in our solutions.

Innovating for the Future

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
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<tbody>
<tr>
<td>1998</td>
<td>Bioanalyzer System</td>
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<tr>
<td>2000</td>
<td>First DNA microarrays</td>
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<td>2005</td>
<td>Array-based CGH</td>
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<td>2009</td>
<td>HaloPlex</td>
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<td>2011</td>
<td>SureSelect NGS Target Enrichment System</td>
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<tr>
<td>2012</td>
<td>SureFISH, high resolution ISH</td>
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<td>2015</td>
<td>Multiplicom clinical workflow solutions</td>
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<tr>
<td>2016</td>
<td>CRISPR oligonucleotide libraries</td>
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<tr>
<td>2017</td>
<td>Alisha Interpret, integrated variant assessment platform</td>
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Multiplicom, part of Agilent Technologies, provides your laboratory with a total solution, which enables you to develop successful NGS services and become a reliable partner for physicians and hospitals.

- Our ready-to-use kits analyze the genes that matter in a simple, efficient and reliable way.
- Our Reporter software ensures correct analysis and enables quality control from initial samples to final results and optimize the performance of your lab.
- Our wide range of services supports your laboratory every step of the way, from the initial set-up and day-to-day management to the continuous improvement of your operations.

Our solutions

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<th>Test kits &amp; Reporters</th>
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<td>human</td>
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<td>onco</td>
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<td>prenatal</td>
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<td>MASTR Reporter</td>
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Multiplicom has developed a wide range of ready-to-use Next-Generation Sequencing (NGS) kits. Each of them is aimed at analyzing specific genes to reveal genetic predispositions or variants. Their ease-of-use reduces processing time and effort, allowing laboratories to achieve a smooth daily routine and maximize cost-effectiveness.

**Only the genes that matter**

Scientific knowledge of the link between the genetic make-up and health and disease is rapidly expanding. Multiplicom is using this knowledge to develop NGS kits that analyze the exact genes that matter for a particular predisposition or variant. Using a targeted gene panel increases the efficiency and reliability of your test and reduces the risk of errors.

**Simple, efficient and scalable**

Our ready-to-use kits are designed to analyze genes in a simple, efficient and reliable manner. They include all the specific reagents needed for an accurate analysis and employ simple-to-follow protocols for different NGS systems. Their ease-of-use reduces the time and effort needed to process the samples and enables your laboratory to perform our tests on a large scale.

**Molecular panels reveal predisposition for cancer and other genetic diseases.**

**Germline & Somatic panels for analysis of various cancer-related genes.**

**Non-Invasive Prenatal Test (NIPT) for the screening of trisomy 21, 13 and 18.**
Reporter software
Quality control from sample to result

The quality of NGS results depends on a wide range of factors, from the quality of the initial sample to the way results are interpreted. Our Reporter software was developed with exactly this knowledge in mind. It not only ensures the correct analysis of results, it also enables you to monitor and trace the quality of your results down to the smallest detail.

Analyze your data
Our Reporter software has been specifically developed to analyze data from our own NGS kits, and prepare them for clinical interpretation. Results are available in less than an hour. Straight-forward visual representation of variants makes it easy to distinguish between variant types, speeds up interpretation and reduces the risk of errors. All information is transparent and layered, which allows deep analysis of data.

Understand your data and optimize your performance
Our Reporter software enables you to monitor and trace all aspects that may influence the quality of your test results, from the quality of the extracted DNA sample to the final analysis or even the functioning of your equipment. The quality control dashboard of the MASTR Reporter immediately reveals significant trends. Quality deviations are automatically reported and suggestions for further improvements are made, ensuring high quality data.

Log your data entries
With the MASTR Reporter it is possible to set up an internal approval system for the clinical interpretation of the results. You can define users and their rights, you can easily archive results for up to two years on the private, secured server and consult earlier tests and their results. All data entries are safely logged and effortlessly traced.
Keeping up with the rapid evolutions in Next-Generation Sequencing presents your laboratory with many opportunities as well as practical challenges. Multiplicom is always there for you, every step of the way, from the initial set-up and validation of your laboratory workflow to the continuous optimization of your daily business.

Supporting services
Always by your side. Every step of the way.

ON-BOARDING
Prepare for a safe trip.
We make sure you get off to a good start with Next-Generation Sequencing. Our On-Boarding Program helps you implement NGS in your laboratory step by step, from the validation of the first test runs to the training of your staff. We do not stop until everything is running smoothly.

SMOOTH FLIGHT
Relax and enjoy the view.
Once your lab is up and running, we provide you with all the support you need to run a smooth and continuous day-to-day business. Our experts are always available to help you solve any problem and improve your performance – by phone, by email or at your site.

UPGRADE
Expand and improve.
We are happy to share our in-depth expertise on Next-Generation Sequencing and provide you with consulting on a wide range of topics, including the automation of your processes and the expansion of your portfolio. In case of capacity shortage at your lab, you can outsource (part of) your testing to our accredited wet lab, temporarily or for longer periods of time.
## ON-BORDING
- Proof testing of your samples
- Proficiency Panel

## SMOOTH FLIGHT
- Optimize your workflow
- Expert Advice on equipment & software

## UPGRADE SERVICES
- On-boarding Program for MASTR, Clarigo & Reporters
- Fully equipped support Lab
- Kick-off Workshop
- Retraining Program

## Expert Support
- Select the right equipment and software
- Monitoring of Clarigo Runs
- Fully equipped support Lab
- On-site Support
- Set-up workflows & procedures
- Expert Sparring
- Specialists on demand
- Second Opinion Testing

## Toolbox
- Sequencing Calculators (exploring the possibilities)
- Reporter software with layered visual variant analysis and convenient usage
- Sequencing Calculators (planning your runs)
- DNA Quality Assessment
- In-depth quality monitoring from sample to result
- Outsourced Testing
- Back-up Services
- Early Access Programs
- Wet lab for trouble shooting
- Helping with your portfolio expansion
- Automation Protocols

## Enabling Services
- Confirmation of initial test runs
- Wet lab for trouble shooting
- Outsourced Testing
- Back-up Services
- Early Access Programs
- Helping with your portfolio expansion
- Automation Protocols

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**OUR OWN SUPPORT, EDUCATION & RESEARCH CENTER**

Multiplicom runs its own accredited* wet lab for training, wet lab testing, data analysis and research. Our wet lab facility not only gives us first-hand knowledge on NGS testing in a real-life lab environment, it also offers customers invaluable advice for their daily operations. The facility also provides customers with backup and outsourcing services.

* MASTR Facility is operating under EN ISO/IEC 17025 requirements and obtained accreditation (603-TEST) by BELAC for Clarigo and BRCA MASTR Plus Dx testing