



DNA/RNA synthesizers



BioAutomation
MAKING DNA/RNA THE MERMADE WAY

For Research Use Only. Not for use in diagnostic procedures.

BIOSEARCH™
TECHNOLOGIES

GENOMIC ANALYSIS BY LGC

**BioAutomation is now part of LGC,
Biosearch Technologies.**

**For over 20 years, BioAutomation has
been an industry leading manufacturer
of small to medium scale oligo
synthesizers. Offering you the highest
degree of customisation of any
commercial instruments with the
highest quality.**

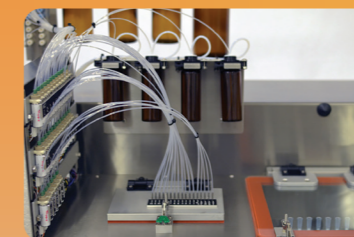
Nucleic Acid Chemistry (NAC) from Biosearch Technologies offers you the most versatile range of automated synthesizers ever produced. Our instruments have a proven track record in all current oligonucleotide synthesis fields.

This brochure highlights the features and capacities of our current synthesizer line. All of these machines are customisable and we can engineer them to meet your needs.

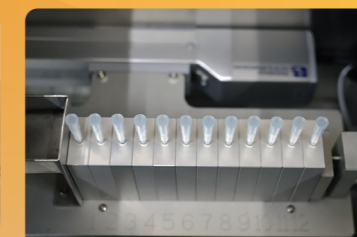
In addition, we offer the most extensive product range of oligo synthesis reagents, including modified phosphoramidites, solid supports, packed columns and supporting ancillary reagents for our synthesizers, making Biosearch Technologies your only partner of choice for all your oligo synthesis reagent and instrument needs.

MerMade™ 6 & 12

- 50 nmol to 200 µmol+ scale synthesis
- 6 or 12 columns per run
- Reagent calibration by curve
- Automatic wobble delivery
- Up to 24 amidite positions
- In-line trityl monitoring
- Sequence manager software
- Low operational cost per oligo



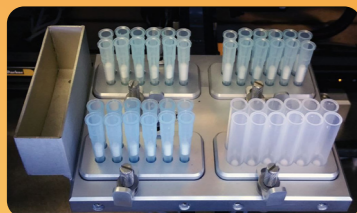
Injection head



Column detail



MerMade 48X



Columns

- 48 column synthesizer (4 banks of 12)
- 20 nmol to 5 μ mol scale synthesis
- Low reagent consumption
- Fast synthesis cycle: 20mer primers in 2.5hours
- User friendly control software
- Up to 24 amidite positions
- Small footprint
(D: 59 cm; W: 71 cm; H: 48 cm)
- Low operational cost per oligo
- Automatic wobble delivery



MerMade 192E



- 192 column synthesizer
- 25 nmol to 1 μ mol scale synthesis (up to 5 μ mol on modified MM192Es)
- Fast synthesis cycle: 20mer primers in 3 hours
- 96E also available as a single plate with 12 amidite positions
- Reagent calibration by curve
- Automatic wobble delivery
- 8 amidite positions
- Low volume dispense option
- Groups of 8 reagent injection



Top view (injection head detail)



MerMade 192R

- 192 column synthesizer
- 50 nmol to 1 μ mol scale synthesis
- 6 amidite positions
- Robot loadable
- Fast synthesis cycle: 20mer primers in 3 hours
- LIMS system compatible for post processing
- Fully featured API for remote monitoring and control

MerMade 192X

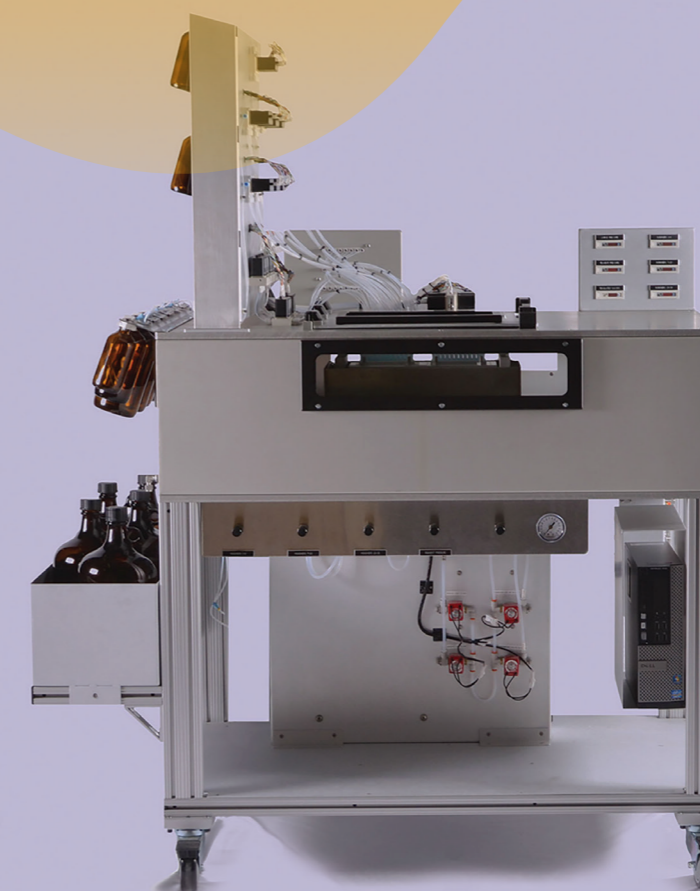
- 192 column synthesizer
- 50 nmol to 1 μ mol scale synthesis (up to 5 μ mol on modified MM192X)
- Up to 64 amidite positions
- Argon plate pressurise feature
- Proprietary 8 channel reagent delivery system - minimises valves
- User friendly control software
- 6 ancillary + 2 auxiliary ports
- Injection head customisable - group reagent injections according to needs



Injection head detail



Amidite bottles





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Integrated tools. Accelerated science.

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