

MerMade oligonucleotide synthesizers



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 MerMade™ oligo 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.

For more information please visit our webpage at:
<https://shop.biosearchtech.com/bioautomation>

MerMade 4

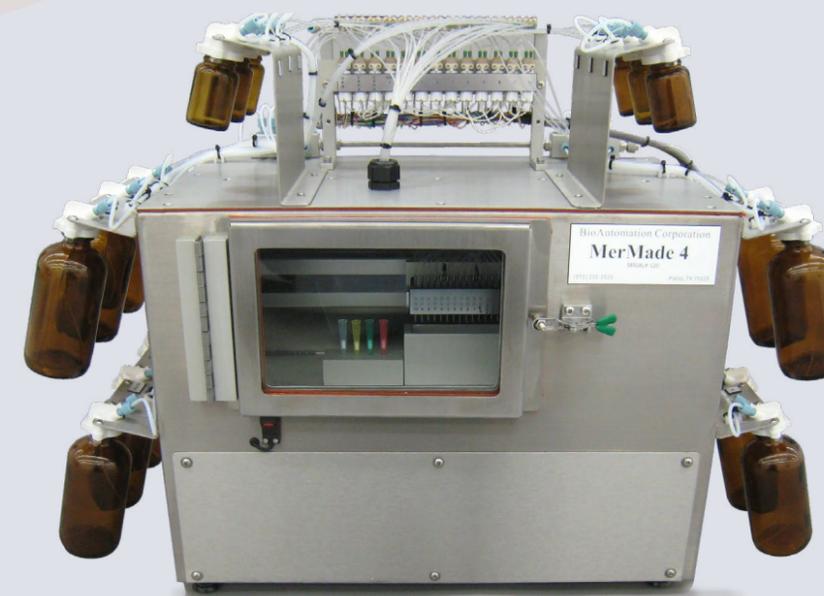
- 4 column synthesizer
- 50 nmol to 5 µmol scale synthesis
- 10 amidite positions
- Low reagent consumption
- Fast synthesis cycle: 20mer primers in 3.5 hours
- In-line trityl monitoring
- Low operational cost per oligo
- Updated user friendly software



Column detail



Bottle detail



MerMade 6 and 12

- 50 nmol to 200 μ mol+ 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
- Fast synthesis cycle:
20mer primers in 3.5 hours



Injection head



Column detail



MerMade 48X



Columns

- 48 column synthesizer (4 banks of 12)
- 50 nmol to 5 μ mol scale synthesis
- Low reagent consumption
- Fast synthesis cycle: 20mer primers in 3.5 hours
- 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 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
- Fast synthesis cycle: 20mer primers in 3.5 hours
- Back pressurise feature
- Proprietary 8 channel reagent delivery system - minimises valves
- User friendly control software
- 6 ancillary + 5 auxiliary ports
- Injection head customisable - group reagent injections according to needs



Injection head detail



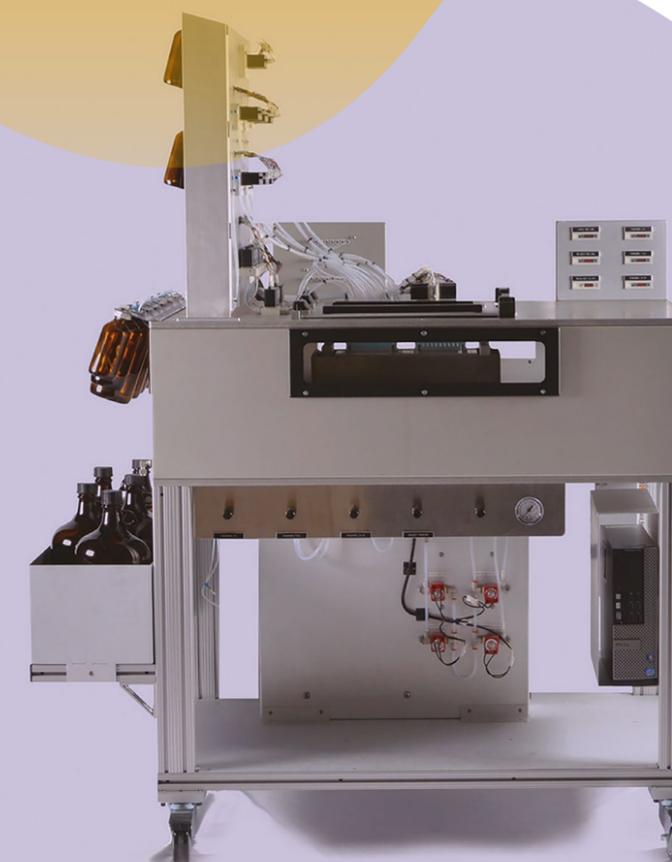
Amidite bottles

MerMade 192E

- 192 column synthesizer
 - 50 nmol to 1 μ mol scale synthesis (up to 5 μ mol on modified MM192Es)
 - Fast synthesis cycle: 20mer primers in 3.5 hours
 - Reagent calibration by curve
 - Automatic wobble delivery
 - 8 amidite positions
 - Low volume dispense option
 - Groups of 8 reagent injection
- 96E also available as a single plate with 12 amidite positions



Top view (injection head detail)



For more
information on
MerMade synthesizers,
please scan this
QR code:



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