

As reported earlier, **metabion** has developed its own *high throughput* technology platform to produce High Throughput Oligos (HTOs). "Heart" of this platform is our *inhouse* developed 96-Parallel Synthesizer, called BH96 ("Blue Hedgehog" 96), which gives us the chance to produce **high throughput-high quality** oligos, a unique feature we are very proud to build on. The uniqueness of our BH96 is very convincingly reflected by the fact that **metabion** could protect the instrument by patent!

As quality was, is, and will always be **metabion's** first priority the "kidney" of our HTO line is Sequenom's MassArray System, which enables us to check each and every oligo by MALDI-TOF. With the help of this system, that is specially adjusted to our production line, we can "filter" our synthesis products very quickly and find out the oligos that do not meet the required quality standards. These oligos are re-synthesised immediately so that only completely checked and approved plates are sent out. This means that what we ship to our customers are oligos you can rely on 100%! **metabion** is the only company in Europe and one of two companies worldwide who not only claims to offer this service but really does practise it!!!

Another result of our complete quality checking is the certainty that our synthesis technology itself guarantees a success rate of >97% - on an average, only 2,5 oligos out of 96 do not meet our high quality standards - a strong evidence for the quality of our synthesis technology, systems and protocols!

Despite huge investment into the setup of this high-tech production line, and despite continuing expenditure for maintenance and improvement of this technology, we can offer you highest quality at competitive prices. In terms of price/value ratio we consider **metabion** market leader in HTOs.

****Standard HTO features:***

- order format: 96 and multiples
- synthesis scales: 0.02 μmol , 0.04 μmol , 0.2 μmol
- deprotected, desalted, "ready to use"
- outstanding quality for oligos up to 70 nucleotides
- lyophilised or liquid at a standard concentration of 50 or 100 μM
- complete synthesis reports/technical data sheets as hard copies or electronic files
- MALDI-TOF quality check of each and every oligo



Additional options:

- concentration adjustment other than 50 or 100 μM
- various 5' modifications:
 - Amino link (C₆, C₁₂)
 - Phos
 - ABI dyes (FAM, HEX, TET)
 - Biotin
 - Others on request

As *high throughput* projects should be carefully planned, we invite you to discuss your needs with our specialists to find the best solution for each individual problem. Prices are also subject to discussion according to the volume and specifications (special concentration adjustments, special plates, delivery mode/time,...) of your orders. Please inquire: info@metabion.com, subject: HTOs