

Diagnostic/IVD Oligonucleotides

- Small-, mid- and large-scale production of diagnostic/IVD oligos - from nmoles to mmoles
- ISO 13485 and cGMP compliant manufacturing
- Primers** - unmodified and modified – vast range of special moieties meeting respective assay requirements:
 - Tm increasers such as **LNA, ZNA, ...**
 - Haptens such as Biotin and derivatives thereof, Thiol, ...
- qPCR and dPCR Probes**
 - Dyes and quenchers covering all qPCR channels.
 - Classic dual labelled (dlps)
 - Back-bone modified dlps – LNA, 2'O-Me RNA, PTO linkage ...
 - MGB-Probes
 - ZNA-Probes
 - LightCycler® Probes ...
- nGS oligonucleotides** for diagnostic applications such as
 - Immunogenetics (i. e. HLA genotyping)
 - Molecular Oncology (cancer diagnostics)
 - Forensics ...
- Hybridization Probes** for FISH applications
- CMO services** including assay/kit assembly and supply of reagents and components such as **dNTPs, Taq Polymerases, Reverse Transcriptases and Master Mixes**
 - Custom formulation and filling
 - Custom labelling
 - Custom logistics

We have been focused on custom oligonucleotides for more than 25 years – still are ...

metabion evolved into the one-stop-shop for your oligo requirements from

- R&D
- **Diagnostic** to
- Therapeutic applications.

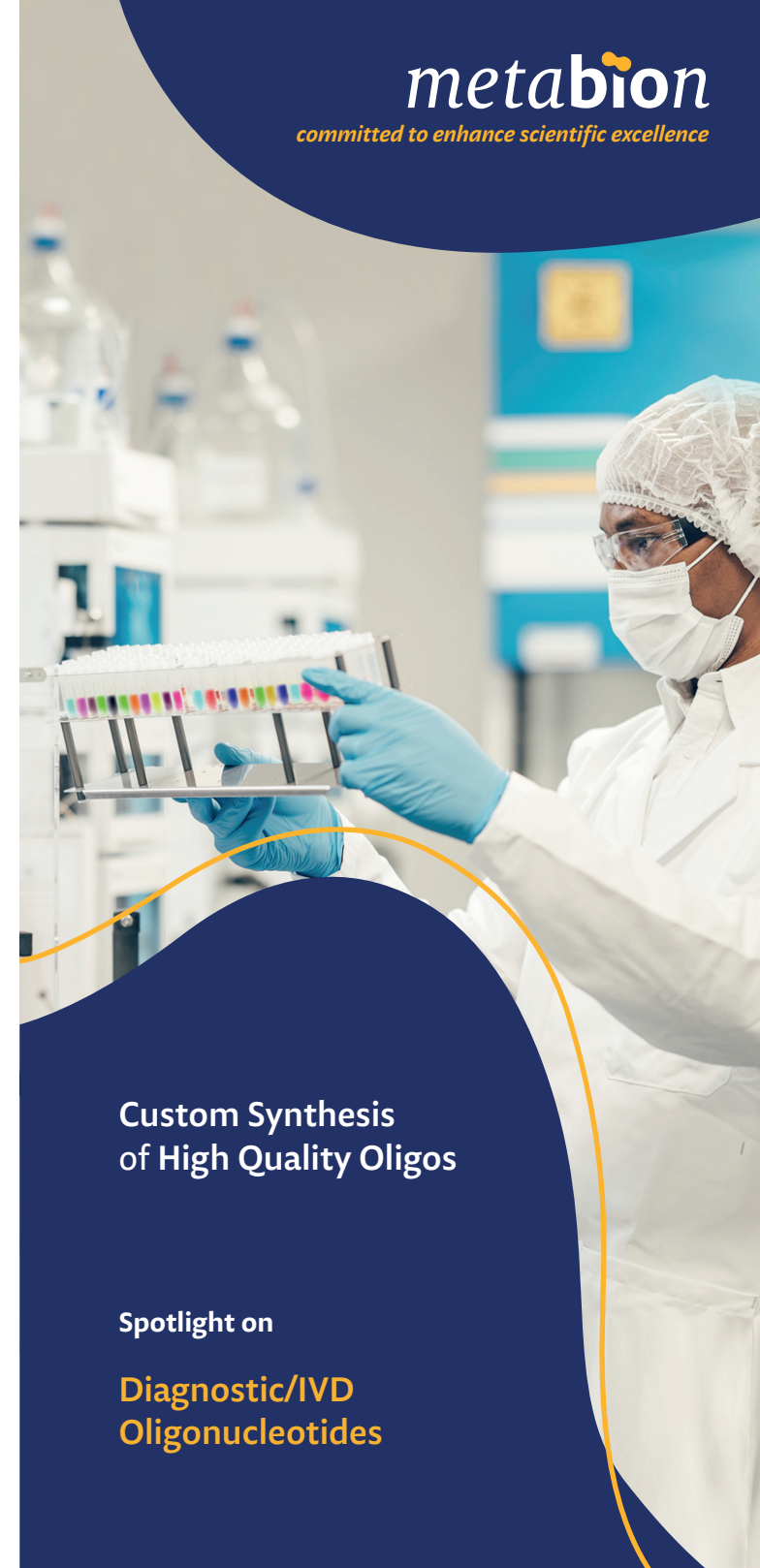
A globally renowned “**oligo boutique**” and **best-in-class** provider of custom **high-quality oligos**.

In this together ...



metabion

metabion international AG | Semmelweisstrasse 3
82152 Planegg/Steinkirchen | Germany



**Custom Synthesis
of High Quality Oligos**

Spotlight on

**Diagnostic/IVD
Oligonucleotides**

metabion

Diagnostic/IVD Oligonucleotides

Small-, mid- and large-scale production

- From nmoles to mmoles
- From µgrams to grams
- Yield ranges or defined quantities delivered
- Customized fill & finish options

metabion

Custom Synthesis of High Quality Oligos

Primers – for any PCR-, isothermal amplification-, and/or primer extension application – **primers at best quality – full stop!**

- Unmodified and modified
- Vast range of special modifications meeting respective assay requirements

Probes – for qPCR/dPCR, PCR, FISH/ISH, hybridization capture applications – **probes at best quality – full stop!**

- Suitable for hydrolysis- and hybridization-based assays
- Complete range of Reporter-Quencher combinations for single or multiplex real-time PCR applications
- Complete range of „probe designs“ including Tm increasing and fluorescence enhancing moieties

metabion

Diagnostic/IVD Oligonucleotides

nGS oligonucleotides for diagnostic applications

- **Premium Quality**
 - Adapters
 - Indexing Primers
 - Blockers
 - Library Amplification Primers
- **Specifically engineered to avoid cross-contamination and to reduce mismatches**

CMO services including kit assembly and **supply** of reagents and components

- Custom mixes of individual oligonucleotides
- Custom formulations and aliquotation/replication in tubes or plates
- Custom filling of diagnostic assay components including third party reagents
- Custom labelling of kit components and complete kit assembly
- Custom logistics including drop-shipping to your customers
- Custom application programming interface for integration with ordering and billing systems

ISO 13485 and cGMP compliant manufacturing

- Applied and certified quality standards are **ISO 13485:2016** (equivalent to **21 CFR part 820**), **ISO 9001:2015** and **EXCiPACT®GMP/GDP:2021**
- State-of-the-art facilities including ISO7/8 cleanrooms
- Controlled and documented processes, traceability and high-quality consistency

