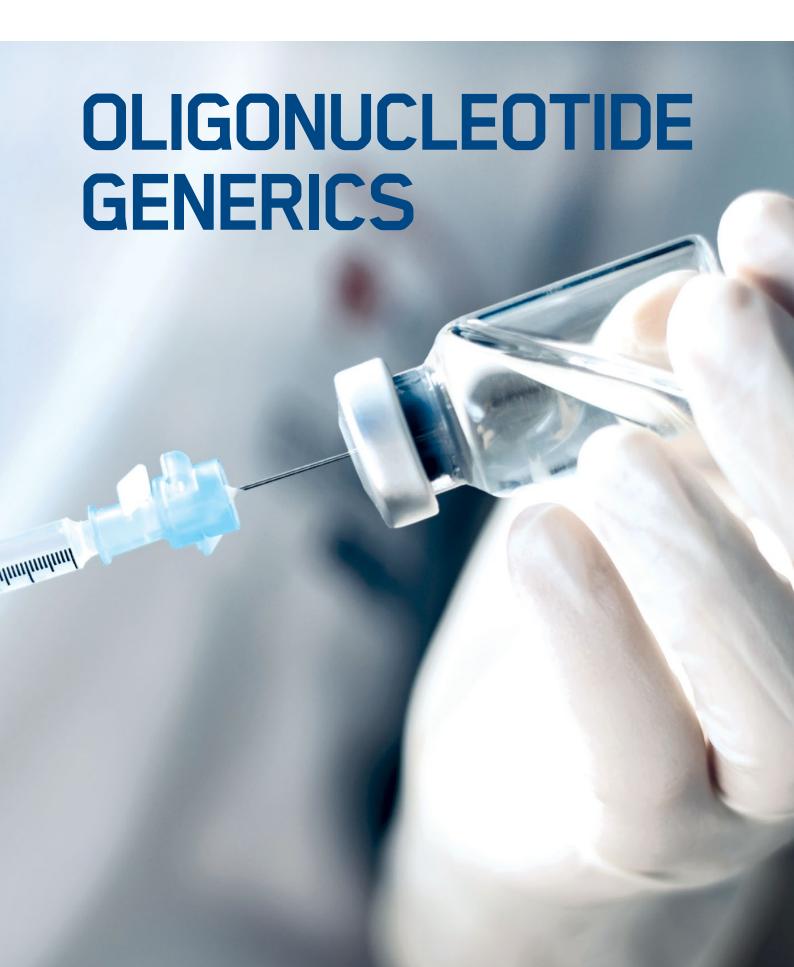
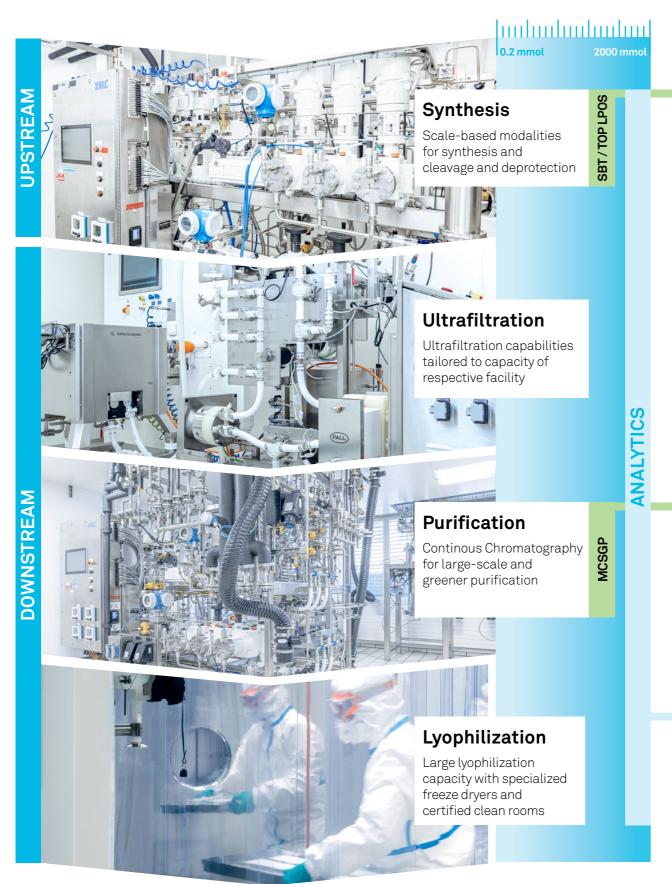
BACHEM



CUTTING-EDGE TECHNOLOGIES TAILORED TO SCALE AND CAPACITY



SCALABLE AND GREEN PRODUCTION WITH PRECISE QUALITY CONTROL

SEAMLESS SCALABILITY AND BETTER QUALITY CONSISTENCY WITH NEW PROPRIETARY TECHNOLOGIES:

Supplying higher volume of API for larger patient population with Stirred-bed (SBT) and Tag-assisted (TOP) liquid phase synthesis (LPOS)

- Consistent: More homogeneous batches
- Flexible: Seamless scalability up to hundred kg scale
- **Green:** Potential to save solvent and reduce process mass intensity

FULLY AUTOMATED SYSTEM WITH EFFICIENT RECYCLING OF FRACTIONS:

Making the oligonucleotide manufacturing greener and cost-efficient with Continuous Chromatography*

- Efficient: Higher yields and better cost-effectiveness
- Fast: Decreased campaign duration
- Green: Reduced waste & process mass intensity

INCREASING PRECISION OF QUALITY CONTROL AND IMPURITY REPORTING WITH INNOVATIVE MASS SPECTROMETRY:

Addressing authorities requirements for registration with a new mass spectrometry (MS) algorithm

- **Robust:** 100% sequence coverage
- Precise: Unmatched impurity characterization under GMP
- Fast: Automated MS data analysis

^{*} Continuous Chromatography or MCSGP: Multicolumn Countercurrent Solvent Gradient Purification

CHOOSING THE RIGHT PARTNER

Pushing the boundaries of innovation to unlock the full potential of generic oligonucleotides development

Innovative proprietary technologies for scalable synthesis and better batch consistency



Decades of experience in the manufacturing and registration of complex molecules



More sustainable large-scale manufacturing with Continuous Chromatography









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