

SYNTAX SYSTEM AND SOFTWARE

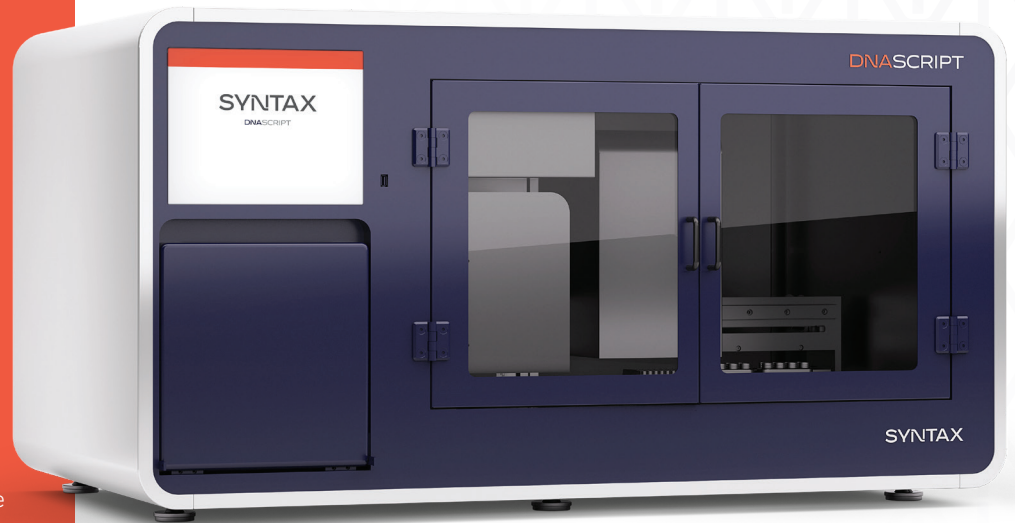
Cat. No. 101773 SYNTAX

Model STX-200

The SYNTAX System is a fully integrated automated instrument that manages the template-free enzymatic synthesis of up to 96 oligos in parallel. This benchtop system synthesizes, desalts, quantifies, and normalizes oligos with or without fluorescent or other modifications. Oligos are ready for immediate input into downstream molecular biology and genomics workflows. Intuitive software allows for the scheduling and management of DNA synthesis runs in addition to reviewing synthesis results.

HIGHLIGHTS

- Sequence in, ready-to-use oligos out
- Enzymatic DNA Synthesis (EDS) technology for template-free synthesis
- Synthesize up to 96 oligos at a time 120 nucleotides long
- Error rates equivalent to oligos synthesized by service providers
- Onboard desalting, quantification, and normalization of oligos
- Synthesize oligos with fluorescent dyes, quenchers, and other labels
- No harsh organic solvents
- Intuitive software for a seamlessly integrated workflow



SYSTEM AND SOFTWARE DETAILS

System capability	<ul style="list-style-type: none"> • Fully automated synthesis, desalting, quantification, and normalization delivering ready to use oligonucleotides • Synthesis of unlabeled and labelled oligos using DNA Script reagent kits • Synthesis capacity: Up to 96 oligos in parallel with the potential capacity to print up to 384* oligos in parallel • Run setup time: 15-30 minutes
Console Software	<ul style="list-style-type: none"> • Web-based and on-premises software available for managing users, projects and synthesis runs • Design and manage custom synthesis plates, schedule runs, view and manage results
Oligo details	<ul style="list-style-type: none"> • Synthesis duration: Dependent on oligo length. 6 hours for 20-mers, 23 hours for 120-mers • For other details, see the product information sheet specific for each reagent kit

*384 plate format coming soon

SPECIFICATIONS

Computer System	<ul style="list-style-type: none"> • Memory: 16 GB • Storage: 250 GB • CPU: Intel Core i7-6600U at 2.60 GHz • Operating system: Linux, Ubuntu 18.04.5 LTS
Communication Ports	<ul style="list-style-type: none"> • USB 2.0 (2 back of System, 1 front panel) • Ethernet • HDMI out
Power	<ul style="list-style-type: none"> • Electrical requirements: One standard 100-240 VAC, ≥15 A, 50/60 Hz single-phase power outlet • Power output at typical power draw: <1000 W

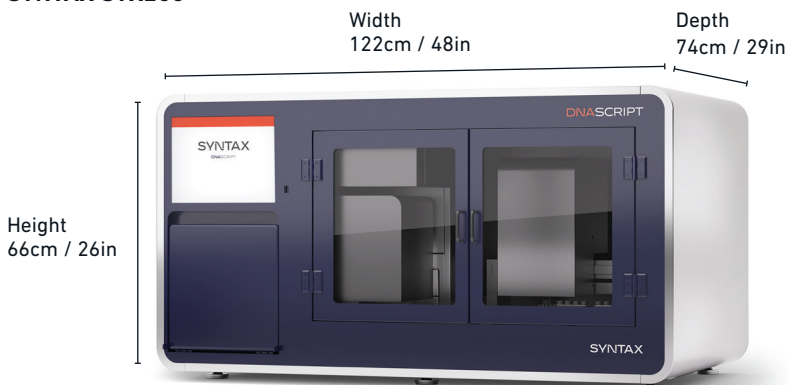
RELATED ITEMS

DESCRIPTION	CATALOGUE NUMBER
SYNTAX DNA Synthesis Kit	101867
SYNTAX 96 Hi-Fidelity Run Kit	101868
SYNTAX 96 Hi-Fidelity Run Kit, Custom iDNA, pack of 8	101870

OPERATING ENVIRONMENT

Benchtop instrument weight	159 kg 350 lb
Vacuum cabinet (freestanding) weight	59 kg 130 lb
Ambient temperature	15-30°C 59-86°F
Relative humidity	20-80%, non-condensing

SYNTAX STX200



VACUUM CABINET



FOR MORE INFORMATION

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