

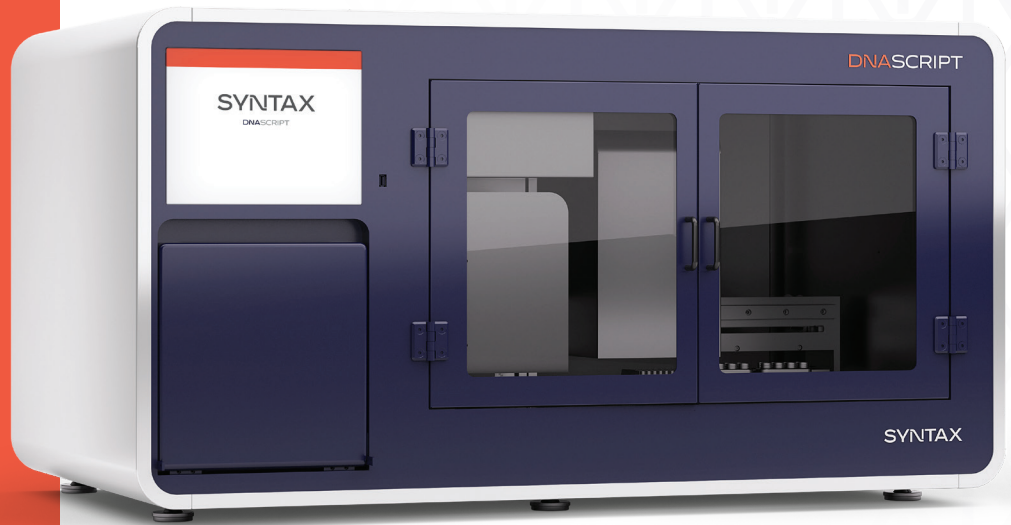
SYNTAX[®] SYSTEM MODEL STX-200

Cat. No. 101773 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, up to 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 COMPONENTS AND CHARACTERISTICS

SYNTAX Instrument and software	<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 • Synthesis duration: Dependent on oligo length. 6 hours for 20-mers, 23 hours for 120-mers
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
Reagent kits	<ul style="list-style-type: none"> • For other details, see the product information sheet specific or each reagent kit

HARDWARE 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

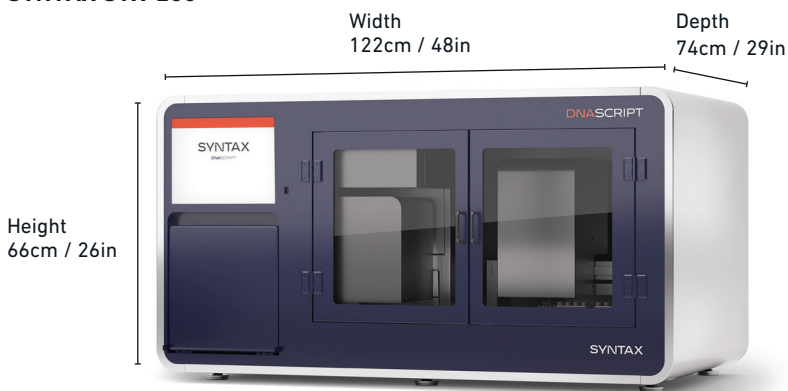
related kits

DESCRIPTION	CATALOGUE NUMBER
SYNTAX DNA Synthesis Kit	102294
SYNTAX 96 Hi-Fidelity Run Kit	101868
SYNTAX Standard Run Kit	101869
SYNTAX 96 Hi-Fidelity Run Kit, Custom iDNA, pack of 8	101870
SYNTAX 96 Standard Run Kit, Custom iDNA, pack of 8	101871

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 STX-200



VACUUM CABINET



FOR MORE INFORMATION

US Headquarters

DNA Script, Inc.
2001 Junipero Serra Blvd, Suite 400 Daly City
CA 94014
+1 (888) 693-4022

Europe Headquarters

DNA Script, SAS
67 avenue de Fontainebleau
94270, Le Kremlin-Bicêtre, France
+33 1 56 20 56 00

[DNAScript.com](https://www.DNAScript.com)

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