

# DNASCRIP™

## SYNTAX 96 HI-FIDELITY RUN KIT

FOR USE WITH THE SYNTAX™  
SYSTEM, MODEL STX-200

Cat. No. 101868  
SYNTAX 96 Hi-Fidelity Run Kit

The SYNTAX 96 Hi-Fidelity Run Kit includes the reagents and consumables required for the parallel enzymatic synthesis of 96 ready-to-use DNA oligos of up to 120nt in length and are intended for use in applications requiring high sequence accuracy, such as gene assembly, protein mutagenesis, or CRISPR gene editing. Rapid setup and printing of oligos enable same or next-day use in downstream workflows. The synthesis and run kit are both required for oligo synthesis using the SYNTAX System.

HF  
HI-FIDELITY



### SYNTAX 96 HI-FIDELITY RUN KIT SPECIFICATIONS

<b>Oligo length</b>	<ul style="list-style-type: none"><li>• 15 - 120 nt</li></ul>
<b>Bases</b>	<ul style="list-style-type: none"><li>• A, T, G and C</li></ul>
<b>Labels</b>	<ul style="list-style-type: none"><li>• None</li></ul>
<b>Degenerate bases</b>	<ul style="list-style-type: none"><li>• R, Y, M, K, S, W, H, B, V, D and N</li></ul>
<b>Yield</b>	<ul style="list-style-type: none"><li>• <math>\geq 200</math> pmol*</li></ul>
<b>Concentration</b>	<ul style="list-style-type: none"><li>• <math>\geq 5</math> <math>\mu</math>M*</li></ul>
<b>Average error rate per base</b>	<ul style="list-style-type: none"><li>• 0.35%**</li></ul>
<b>Run time</b>	<ul style="list-style-type: none"><li>• ~ 8 hrs for 96x 30 nt oligos</li><li>• ~ 13 hrs for 96x 60 nt oligos</li><li>• ~ 21 hrs for 96x 120 nt oligos</li></ul>

\* >95% of oligos

\*\* The average error rate was empirically determined for a set of with a sequence difficulty categorized as "standard" by Console software. Note that complex motifs may impact average error rate.



## KIT COMPONENTS

SYNTAX 96 Hi-Fidelity Run Kit - Cat. No. 101868	
Box 1 of 3: Post-Processing Reagents	<ul style="list-style-type: none"><li>• Includes the post-processing reagents (P1, P2, P4, P5)</li><li>• Store at room temperature (shipped at room temperature)</li></ul>
Box 2 of 3: Post-Processing Enzymes	<ul style="list-style-type: none"><li>• Includes the post-processing enzymes (P1E, P2E)</li><li>• Store at -20°C (shipped on dry ice)</li></ul>
Box 3 of 3: Consumables	<ul style="list-style-type: none"><li>• Includes one Plate Set (Synthesis plate, Desalting plate, Oligo plate), one Polypropylene film (for optical application) and two microplate aluminum sealing tape</li><li>• Store at 4°C (shipped at room temperature)</li></ul>

## RELATED ITEMS

SYNTAX DNA Synthesis Kit - Cat No. 102294	
Box 1 of 3: Synthesis Reagents	<ul style="list-style-type: none"><li>• Includes synthesis reagents (S1, S2)</li><li>• Store at 4°C (shipped at room temperature)</li></ul>
Box 2 of 3: Synthesis Reagents	<ul style="list-style-type: none"><li>• Includes synthesis reagents (S3, S4)</li><li>• Store at room temperature (shipped at room temperature)</li></ul>
Box 3 of 3: Synthesis Nucleotides & Enzyme	<ul style="list-style-type: none"><li>• Includes synthesis nucleotides (dA, dT, dC, dG) and synthesis enzymes (S1E, S4E)</li><li>• Store at -20°C (shipped on dry ice)</li></ul>

ITEM	CATALOG NUMBER
SYNTAX System, Model STX-200	101773

## FOR MORE INFORMATION

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# DNAScript



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