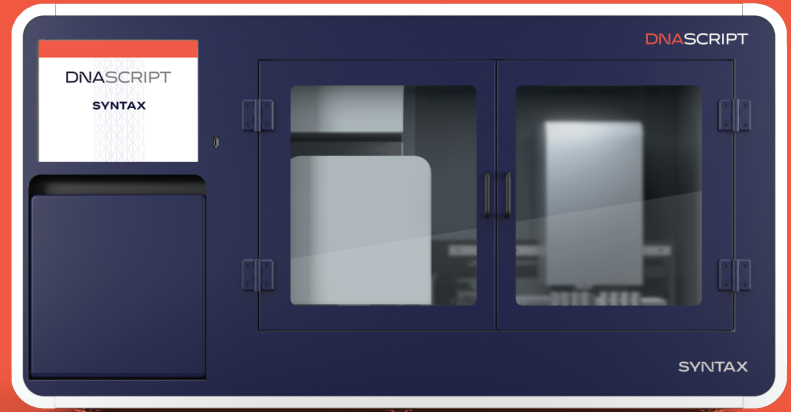


DNASCRIPT

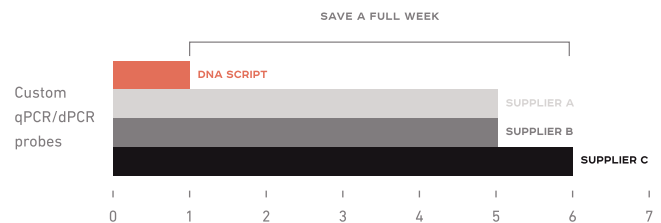


FINISH FIRST

Finish your qPCR assays before others even start.

SAVE TIME

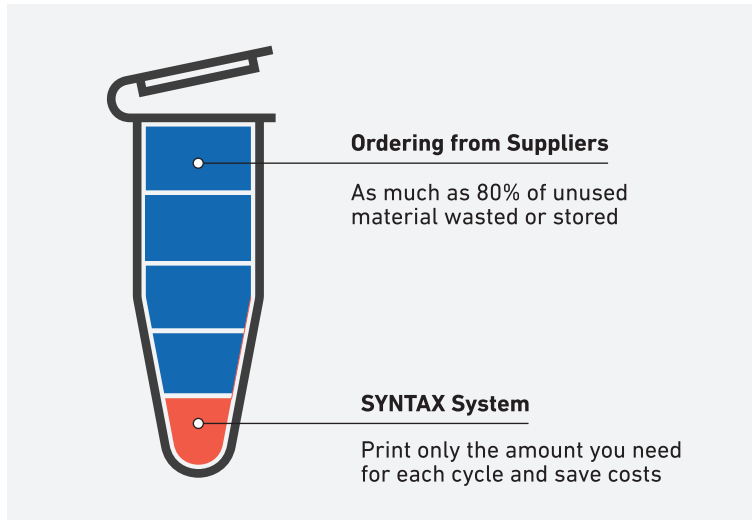
Design, print, and test custom qPCR/dPCR probes in a single day.



Now with the SYNTAX System and our proprietary Enzymatic DNA Synthesis (EDS) technology, you can design, print, and finish your qPCR assays before others receive their orders from commercial suppliers.

DNASCRIPT

DNASCRIPT.COM



SAVE COSTS

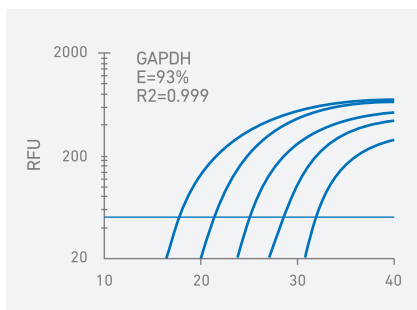
Print the amount of each probe you need for your qPCR assays without throwing anything away.

Assay optimization requires multiple design, print, test, learn cycles.

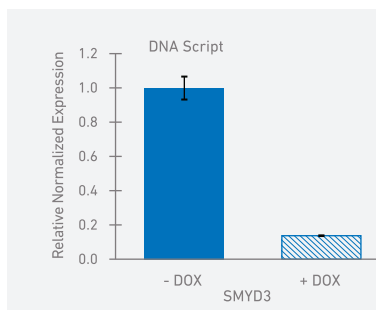
When ordering custom probes and primers from external suppliers, even the minimum order quantities are often more than necessary, resulting in unused portions of these reagents being thrown away, or taking up freezer space. By printing custom probes on the SYNTAX System in your own lab now you can print the amount of primers and probes needed for an assay, and have a more cost-effective and efficient assay development solution.

GREAT RESULTS—FAST

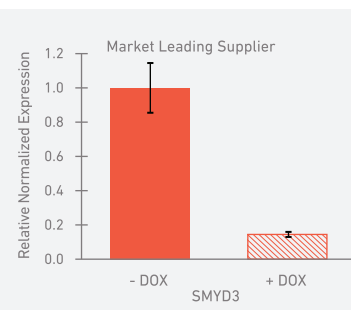
Primers and probes printed on the SYNTAX System in hours perform comparably to those ordered from service providers.



GAPDH STANDARD CURVE



SMYD3 RELATIVE EXPRESSION



HeLa cells were treated with doxycycline (DOX) and expression levels of SMYD3 gene were measured by RT-qPCR. GAPDH amplification curves and standard curve parameters generated with SYNTAX primers and SYNTAX label, Red (565) probe (left). Similar performance of relative normalized expression levels was observed between oligos printed using EDS and oligos synthesized chemically (right).

SYNTAX Kits

To synthesize your labeled probes, you need to order a SYNTAX kit, a Processing Kit, and a Label kit and select from our menu of fluorophore and quencher labels.

SYNTAX 80-Cycle Synthesis Kit, 96 Oligos

- Oligo lengths of up to 80 nt
- Flexibility to print 96 oligos of up to 80 nt, 192 oligos of up to 40 nt, 288 oligos of up to 27 nt, or 384 oligos of up to 20 nt.
- Average mass per oligo >600 pmol for unmodified oligos and >400 pmol for modified oligos (labeled probes).

SYNTAX 80-Cycle Processing Kit, 96 Oligos

- Required per run to produce up to 96 desalted and normalized oligos

SYNTAX 192 Label Kit

- Synthesize up to 96 probes per run choosing from a selection of fluorophore and quencher labels sold separately.

SYNTAX Labels

- Select from a menu of fluorophores and quenchers sold in varying quantities.

SYNTAX Labels

SYNTAX Fluorophores and Quenchers Compatibility

FLUOROPHORE	PEAK EXCITATION	PEAK EMISSION	QUENCHER
SYNTAX Label, Green (488)	495 nm	519 nm	SYNTAX Label, Quencher 1
SYNTAX Label, Yellow (532)	532 nm	552 nm	SYNTAX Label, Quencher 1
SYNTAX Label, Orange (550)	554 nm	576 nm	SYNTAX Label, Quencher 2
SYNTAX Label, Red (565)	564 nm	590 nm	SYNTAX Label, Quencher 2
SYNTAX Label, Deep Red (647)	646 nm	664 nm	SYNTAX Label, Quencher 3

Additional labels available: SYNTAX biotin label, 96 oligos

SELECT THE RIGHT KITS FOR YOUR APPLICATION

SYNTAX Kits are designed to give you the flexibility to print what you need when you need it. Use the examples below to determine the quantity of each kit needed to accelerate your PCR application.

PCR or Real-time PCR Assays 288 PCR primers up to 27 nt

DESCRIPTION	CATALOG NUMBER	QUANTITY NEEDED
SYNTAX 80-Cycle Synthesis Kit, 96 Oligos	100852	1
SYNTAX 80-Cycle Processing Kit, 96 Oligos	100854	3

Real-time PCR Probe Assays 3 plates of 32 labeled probes and 64 primers up to 27 nt

DESCRIPTION	CATALOG NUMBER	QUANTITY NEEDED
SYNTAX 80-Cycle Synthesis Kit, 96 Oligos	100852	1
SYNTAX 80-Cycle Processing Kit, 96 Oligos	100854	3
SYNTAX 192 Label Kit	100786	3
SYNTAX 48 Label, Green (488)	100779	3
SYNTAX 48 Label, Quencher 1	100773	3

Contact a DNA Script representative for more examples and recommendations.

contact@DNAScript.com
www.DNAScript.com

For Research Use Only. Not for use in diagnostic or medical procedures.
DNA Script and SYNTAX are trademarks of DNA Script.
All other trademarks are the property of their respective owners.

© 2022. DNA Script. All rights reserved.

May 2022.

US Headquarters
DNA Script, Inc.
650 Gateway Blvd
South San Francisco, CA 94080
+1 (888) 693-4022

Europe Headquarters
DNA Script, SAS
67 avenue de Fontainebleau
94270, Le Kremlin-Bicêtre, France
+33 1 84 88 02 42