

HPLC Application

ID No.: 15966

60nt DNA Cartridge Purification - Crude, Load, Wash, Elution Fractions

Column: Clarity® 3 µm Oligo-RP, LC Column 50 x 4.6 mm, Ea

Dimensions: 50 x 4.6 mm ID

Order No: 00B-4441-E0

Elution Type: Gradient

Eluent A: 50mM TEAA/5% Acetonitrile

Eluent B: Methanol

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	90	10
	2	20	40	60

Flow Rate: 1 mL/min

Col. Temp.: ambient

Detection: UV-Vis Abs.-Variable Wave.(UV) @ 260 nm (ambient)

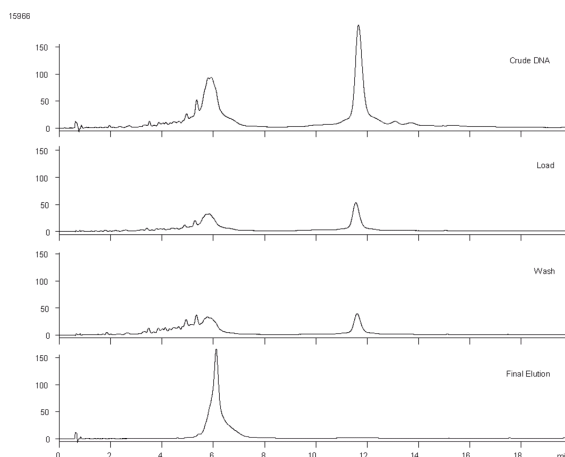
Analyst Note: SecurityGuard™ Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, Clarity Oligo-RP 4 x 3.0mm, 10/Pk Part No.: AJ0-8135

- Holder Part No.: KJ0-4282



Products used in this application:



ANALYTES:

1 DNA (60nt)



Sample Preparation Details

for HPLC Application ID No.: 15966

60nt DNA Cartridge Purification - Crude, Load, Wash, Elution Fractions

PRODUCT DESCRIPTION:

Order No.: 8K-S042-FBR

SOLID PHASE EXTRACTION (SPE) PROCEDURE:

Note: The solvent volumes shown below are for a 200 mg bed mass.

The solvent volumes will need to be adjusted for a smaller or larger bed mass.

Condition: _____

Load: _____

Wash: _____

Dry: _____

Elute: _____

Final Prep and Analysis: _____

Inject: 10 µL on HPLC UV-Vis Abs.-Variable Wave.(UV) @ 260 nm (ambient)

ANALYTES:	Spiked Conc. (ng/mL)	Log P	pKa	% Rec	%RSC (n=0)
1 DNA (60nt)	1				

Note: This method is designed as a convenient starting point for further investigation and can be tailored to meet your extraction goals.
Call your local Phenomenex Representative for assistance in method development and optimization techniques.

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