

# HPLC Application

ID No.: 15963

## 20nt DNA Cartridge Purification - Crude, Load, Wash, Elution Fractions

**Column:** Clarity<sup>®</sup> 3  $\mu$ m 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)

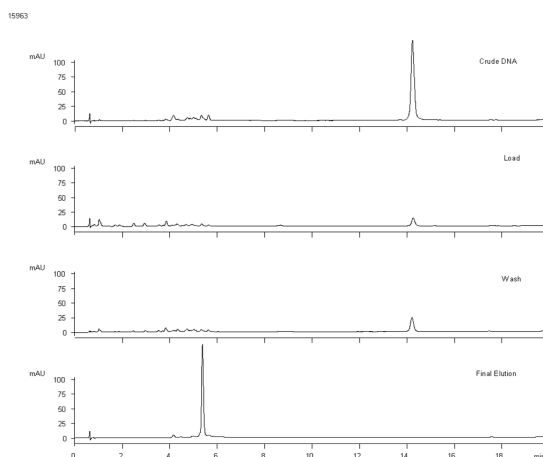
**Analyst Note:** SecurityGuard<sup>™</sup> Guard Cartridge System extends column lifetime.

- 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 (20nt)



# Sample Preparation Details

for HPLC Application ID No.: 15963

## 20nt 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)

<b>ANALYTES:</b>	<b>Spiked Conc. (ng/mL)</b>	<b>Log P</b>	<b>pKa</b>	<b>% Rec</b>	<b>%RSC (n=0)</b>
1 DNA (20nt)	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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