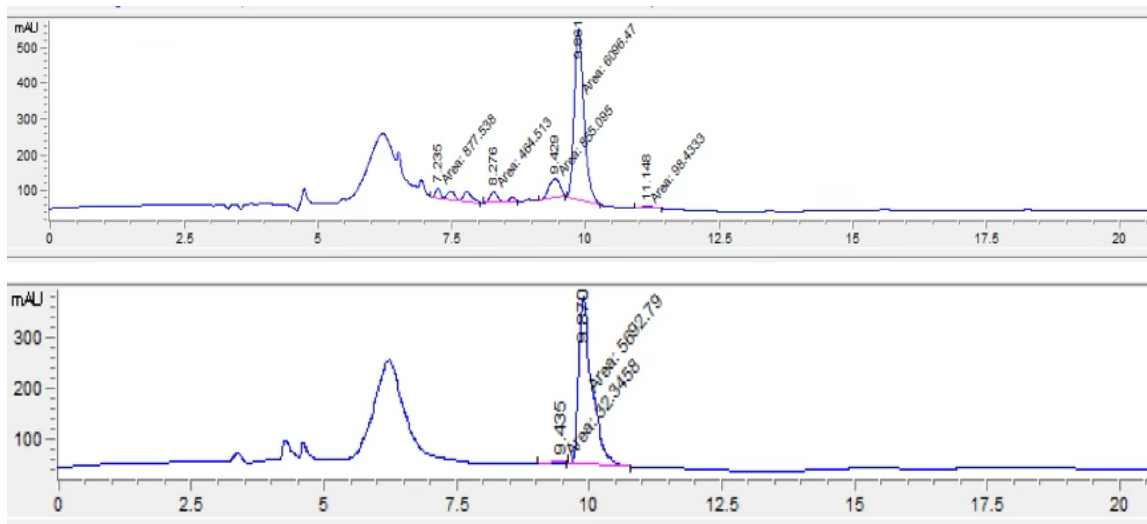


Purification of synthetic Primer, pBR322 Pst 1 after Ammonium Deprotection using Reliasil C8, 300 Å, 5µm



LC-UV chromatograms (260 nm) of synthetic primer (pBR322 Pst I, 5'-d-GCT AGA GTA AGT AGT T-3') in ammonium solution (top) and Reliasil C8 column purified primer (bottom).

Targeted primer (RT at 9.98 min) purity increased from 73% to 99%.

(peak between 5.3-7.5 min is due to mobile phase gradient shift)

HPLC	Agilent 1200
Column	Reliasil C8, 300Å, 5 µm
Column Size	4.6 x 250 mm
Temperature	30 °C
Detection	UV at 260&550 nm
Injection	20 µL

Mobile Phase	A: 50 mM hexylamine, 0.1M TEAA, 5% ACN, pH 7 B: 80/20 ACN/H2O		
Flow Rate	1 mL/min		
Gradient	Time(min)	A(%)	B(%)
	0	100	0
	1	100	0
	2	80	20
	21	80	20
	21.5	10	90
	24.5	10	90