

# HPLC Application

ID No.: 16199

## Jupiter<sup>®</sup> 300 C4 - PEGylation Reaction Time Course (Ribonuclease A)

**Column:** Jupiter<sup>®</sup> 5  $\mu$ m C4 300 Å, LC Column 150 x 4.6 mm, Ea

**Dimensions:** 150 x 4.6 mm ID

**Order No:** 00F-4167-E0

**Elution Type:** Gradient

**Eluent A:** 0.1% TFA in Water

**Eluent B:** 90% ACN 0.09% TFA in Water

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
|                   | 1        | 0          | 80    | 20    |
|                   | 2        | 25         | 45    | 55    |

**Flow Rate:** 1 mL/min

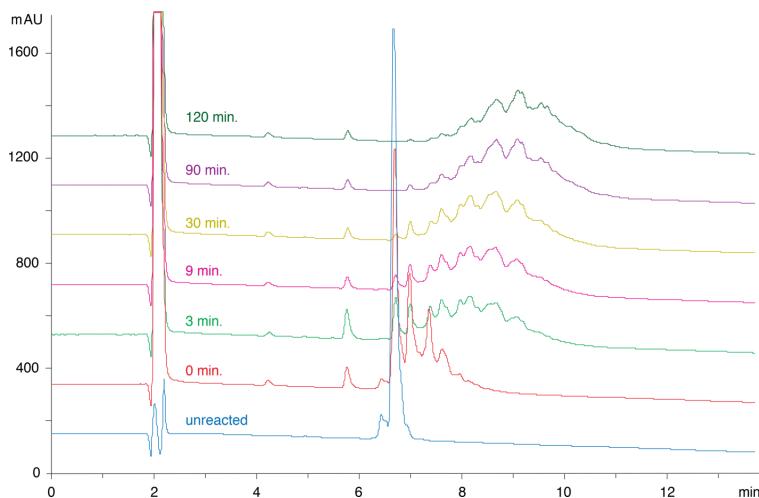
**Col. Temp.:** 45 °C

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 214 nm (ambient)

**Analyst Note:** PEGylation time course study of ribonuclease. Different time points from a PEGylation reaction of ribonuclease A were taken: unreacted, 3 min, 9 min, 30 min, 90 min, and 120 min. Note the increase of greater retaining PEGylation forms over time.



Products used in this application:



### ANALYTES:

- 1 PEGylated Ribonuclease A

