# HPLC Application

ID No.: **1315**

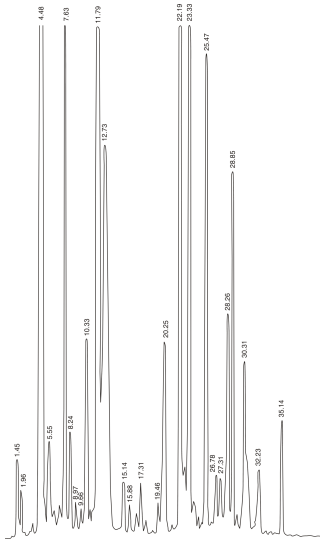
## Polyamines (Dansylated)

**Products used in this application:**

LUNA®

| | | | | |
|---|---|---|---|---|
| **Column:** | Luna® 5 µm C18(2) 100 Å, LC Column 150 x 4.6 mm, Ea | | | |
| **Dimensions:** | 150 x 4.6 mm ID | | | |
| **Order No:** | 00F-4252-E0 | | | |
| **Elution Type:** | Gradient | | | |
| **Eluent A:** | Water/methanol/acetonitrile (65:25:10) | | | |
| **Eluent B:** | Methanol/acetonitrile (90:10) | | | |
| **Gradient Profile:** | **Step No.** | **Time (min)** | **Pct A** | **Pct B** |
| | **1** | 0 | 90 | 10 |
| | **2** | 30 | 0 | 100 |
| **Flow Rate:** | 1.9 mL/min | | | |
| **Col. Temp.:** | ambient | | | |
| **Detection:** | Fluorescence (FLUOR) @ 365 nm (ambient) | | | |
| **Analyst Note:** | SecurityGuard™ Guard Cartridge System extends column lifetime. | | | |

- SecurityGuard Cartridges, C18 4 x 3.0mm, 10/Pk Part No.: AJ0-4287
- Holder Part No.: KJ0-4282




### ANALYTES:

**1** Tryptamine
Retention Time: 19.46 min

**2** Phenathylamine
Retention Time: 20.25 min

**3** Putrescine
Retention Time: 22.19 min

**4** Cadaverine
Retention Time: 23.33 min

**5** Histamine
Retention Time: 25.47 min

**6** Tyramine
Retention Time: 28.85 min

**7** Spermidine
Retention Time: 30.31 min

**8** Spermine
Retention Time: 35.14 min

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