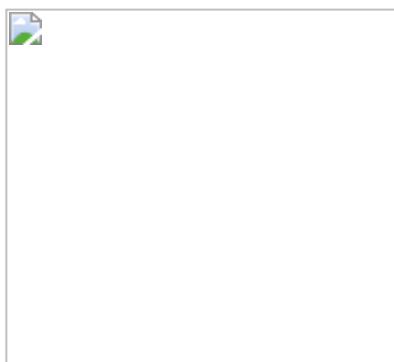
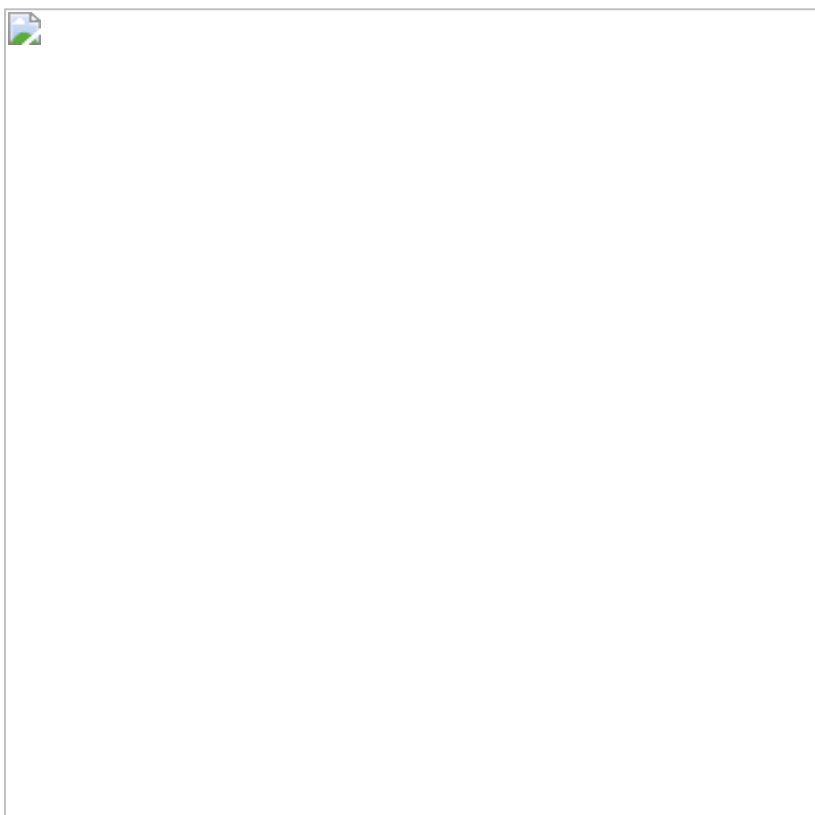


Adenosine USP Assay - AppNote

Alternate L1 Column used for a USP Assay

This application note illustrates the USP method for Adenosine using the Cogent RP Similars C18 ODS column. The chromatograms demonstrate that the column meets the USP system suitability requirements, including tailing factor, resolution, and relative standard deviation. This makes it an excellent alternative for a USP Adenosine assay.



Peak 1.

Method Conditions:

Column: Cogent RP Hyper Similars C18™ 5um, 100A

Catalog No.: [62518-25P](#)

Dimensions: 4.6 mm x 250 mm

Sample Preparation: 0.2 mg/mL of Adenosine in Mobile phase

System suitability solution: 4 µg/mL each of Adenine and inosine in Mobile phase (peak order respectively.)

Resolution: ≥ 1.5 between adenine and inosine,

Tailing factor: ≤ 0.99

Relative standard deviation: 0.5%,

Note 1: For the full method conditions and details, consult the official United States Pharmacopeia–National Formulary (USP–NF.)



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