

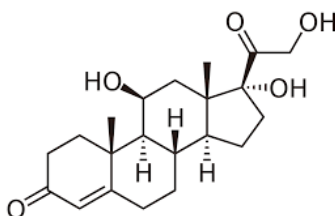
## Alternate L1 column used for a similar Hydrocortisone Assay with HPLC - AppNote

### Alternate L1 column used for a similar USP assay method of Hydrocortisone

This Similar USP Hydrocortisone Assay is easily performed and the five injection overlay below demonstrates Run to Run consistency and Precision. The Peak Efficiency is very good and Peak Tailing guidelines are easily met with RSD values of 0.5%.

*This demonstrates a good alternate Column for your Hydrocortisone USP Method.* 

#### Peak:



Hydrocortisone

#### Method Conditions:

**Column:** Cogent MicroBee C18™, 5µm, 125Å

**Catalog No.:** 59305-03

**Dimensions:** 3.9mm x 300mm

**Mobile Phase:** 25:75 Acetonitrile / DI Water

**Injection vol.:** 15µL

**Flow rate:** 1.0mL / minute

**Detection:** UV @ 254nm

**Sample Preparation:** Hydrocortisone 50µg / mL in Methanol

**Note 1:** Hydrocortisone, a Corticosteroid, and is similar to a natural hormone produced by your Adrenal Glands. Hydrocortisone is used to treat immune, inflammatory, and neoplastic conditions.

**Note 2:** The Cogent MicroBee C18™ performs very similarly to the Waters® µBondapak C18®.



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