

# HPLC Separation of Antibiotics in Fish Production

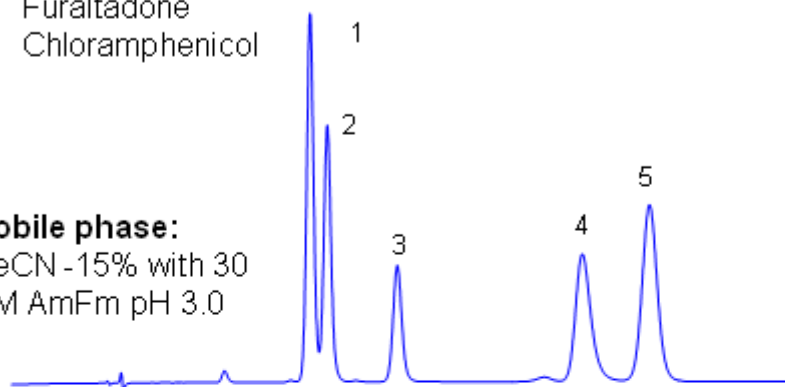
<https://sielc.com/Application-HPLC-Separation-of-Antibiotics-in-Fish-Production>

## Chromatogram

1. Nitrofurantoin
2. 5-Nitro-2-furaldehyde semicarbazone (Nitrofurazone)
3. Furazolidone
4. Furaltadone
5. Chloramphenicol

### Mobile phase:

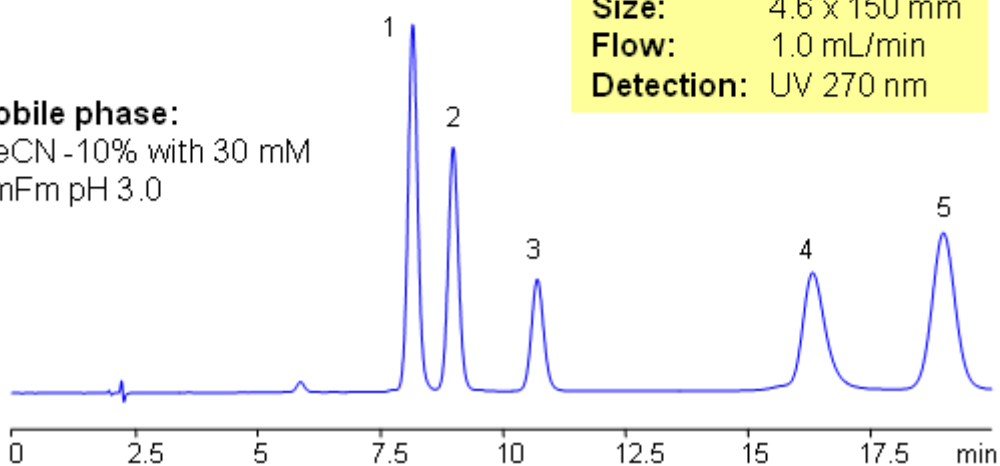
MeCN -15% with 30 mM AmFm pH 3.0



**Column:** Primesep C  
**Size:** 4.6 x 150 mm  
**Flow:** 1.0 mL/min  
**Detection:** UV 270 nm

### Mobile phase:

MeCN -10% with 30 mM AmFm pH 3.0



## Description

Five antibiotics are separated on Primesep C mixed-mode cation-exchange column using UV, ESLD and LC/MS compatible conditions. Similar compounds can be separated based on reverse phase and cation-exchange mechanisms. Current method can be used in quantitative determination of antibiotics in various food products.