

# Polysaccharides

Determination of polysaccharides using μHPLC and Laser Induced Fluorescence Detection

## Instruments:

HPLC pump: Agilent 1100 series + LC Packings  
Acurate™ Flow Splitter  
Injector: LC packings Famos Automated Injector  
Detector: Picometrics ZETALIF 2000 detector  
Laser: He-Cd Laser, 325 nm, 10 mW

## Sample:

Standard solution of derivatized glycans

## Reagents:

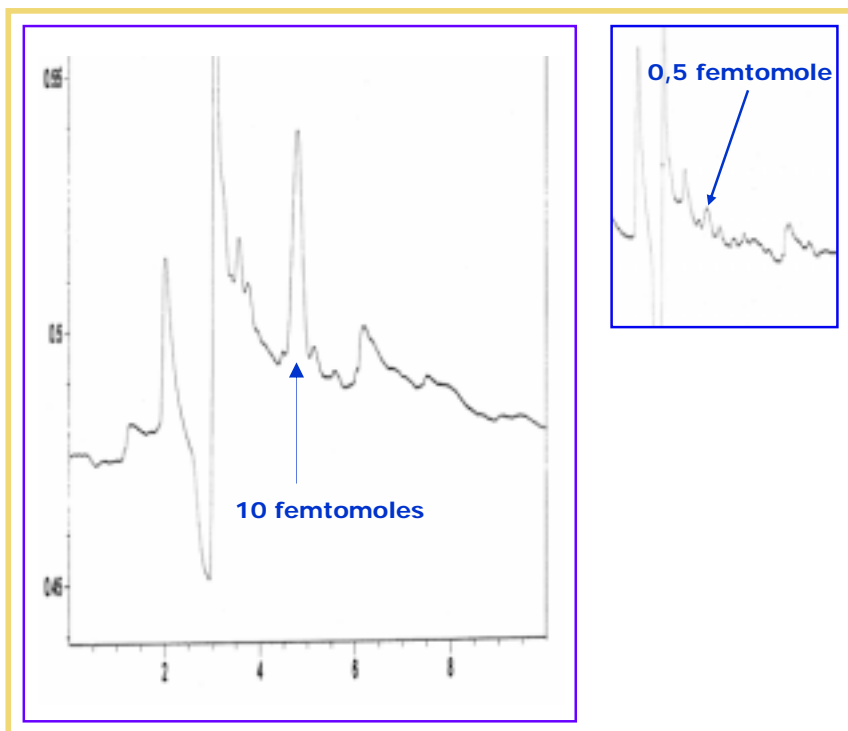
Derivatization agent: 2-aminobenzamide

## Methods:

Mobile Phase: Isocratic conditions, 91% 50 mM formic acid adjusted to pH 5 with TEA, 9 % acetonitrile  
Flow rate: 5 μL/min  
Injection volume: 1 μL  
Column: micro column LC Packings PepMap™, C18, 3 μm, 300 μm ID  
Detector Capillary: 100 μm ID

Limit of Detection\*:  
 $5 \times 10^{-10} M$

\* Estimated for a S/N of 3



Source: Picometrics application lab.