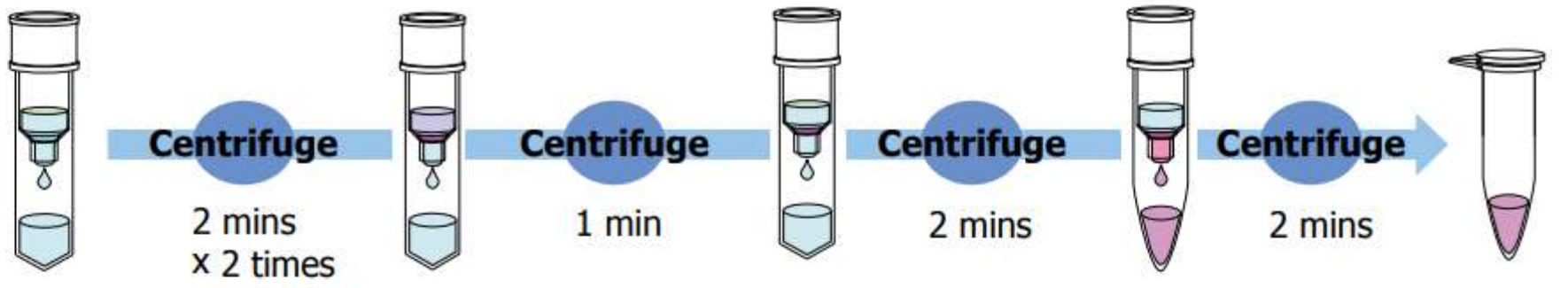
Sample Preparation

800 µL sample solution : Add acetonitrile to PA sugar chain sample solution and adjust the acetonitrile final concentration from 90 to 95 %.

Centrifugation
Speed : 2,300 x g



1. Conditioning
Add 500 µL solution mixed with 250 µL 0.1 % formic acid* in water and 250 µL 0.1 % formic acid in acetonitrile
↓ Centrifuge
Add 500 µL solution mixed with 50 µL 0.1 % formic acid* in water and 450 µL 0.1 % formic acid in acetonitrile

2. Adsorption
Add 800 µL sample solution

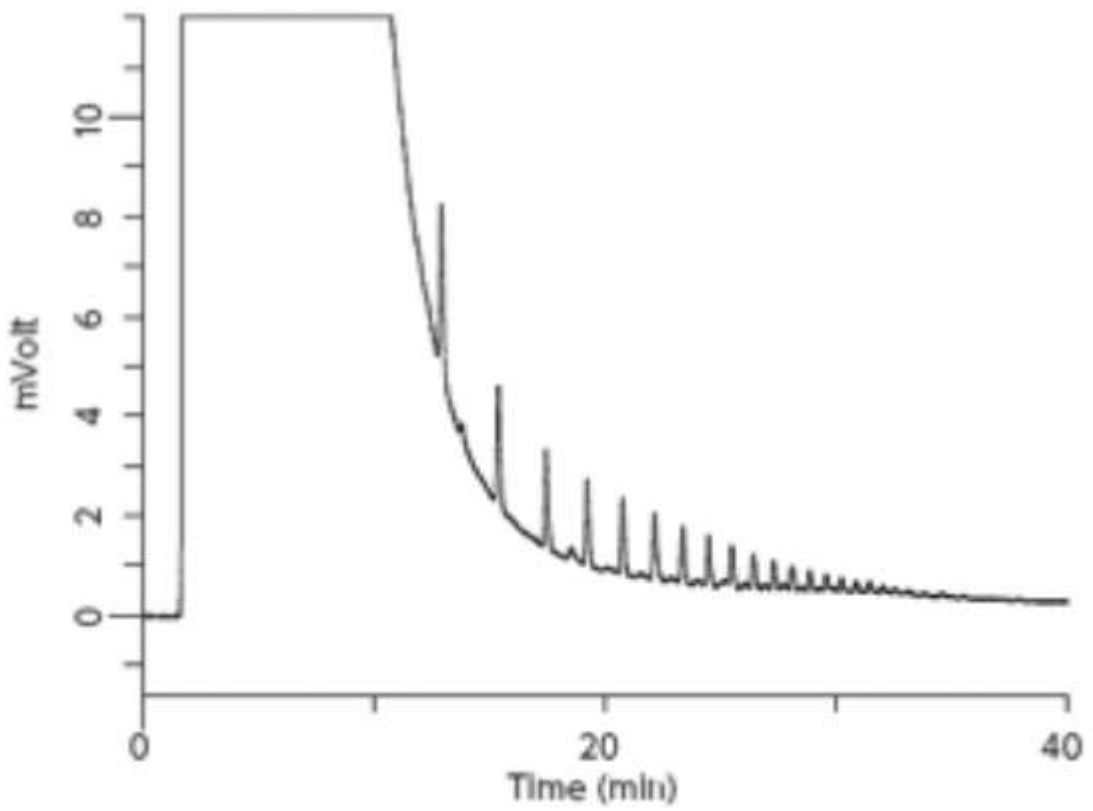
3. Rinsing
Add 500 µL solution mixed with 50 µL 0.1 % formic acid* in water and 450 µL 0.1 % formic acid in acetonitrile

4. Elution
Add 50-800 µL 0.1 % formic acid in 50 % acetonitrile

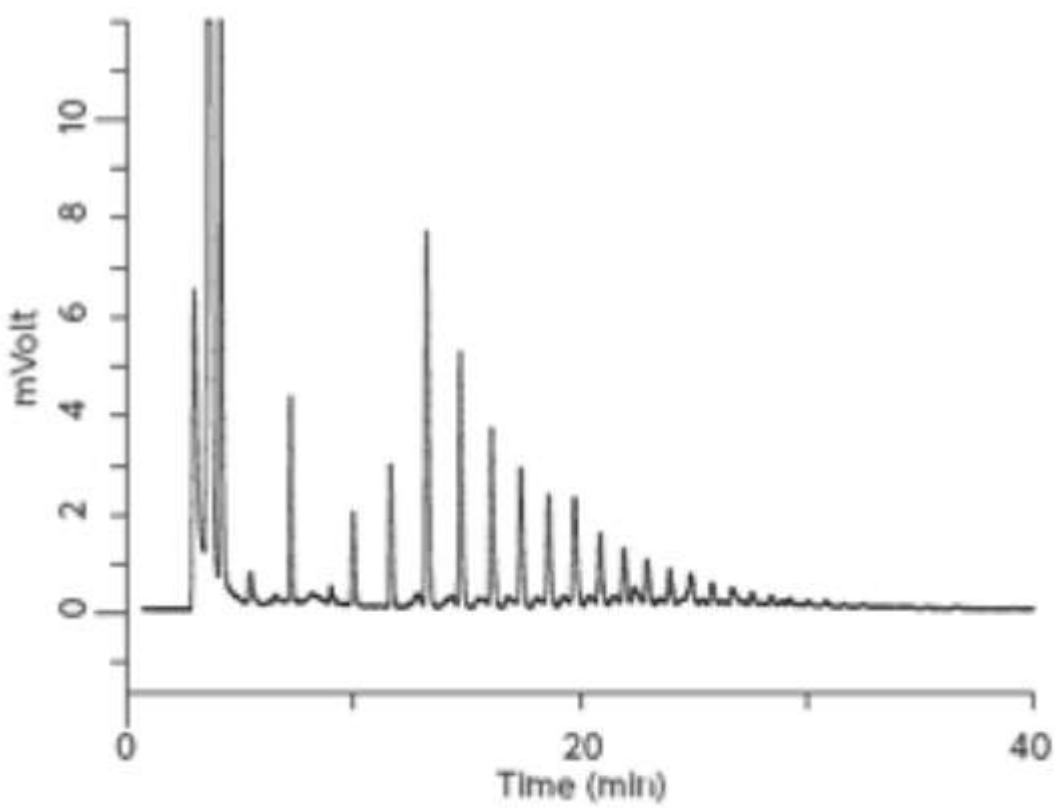
Purified Sample

* Acetic acid or TFA can also be used as an alternative to formic acid.

Without MonoSpin NH2



Purification of PA using MonoSpin NH2



Conditions

Column : NH_2 Column (5 µm, 250 x 4.6 mm I.D.)
Eluent : A) H_2O/Acetonitrile = 5/95 0.1 % Formic acid
B) H_2O/Acetonitrile = 95/5 0.1 % Formic acid
A/B = 90/10-10 min-90/10-40 min-60/40
Flow Rate : 1 mL/min
Detection : FL Em 320 nm, Ex 400 nm
Injection Vol. : 1.5 µL

Purified PA sugar chain by HILIC mode.

MonoSpin NH2 additionally removes residual fluorescent labeling reagents.