

糖鎖分析メソッド集  
PBA スピンカラムによる PA-単糖の精製

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方法の概要

ピリジルアミノ化（PA 化）単糖を簡便に精製する方法。

この方法を使った時に引用すべき論文

1. Natsuka S. (2011) Convenient purification method for pyridylamino monosaccharides. *Biosci. Biotechnol. Biochem.*, **75** (7) 1405-1407.

Sample

- ↓ Dissolve in 0.5 mL of 0.2 M ammonia solution
- ↓ Load on pre-treated PBA spin column \*<sup>1</sup>
- ↓ cfg., 5,000 rpm, 2 min
- ↓ Wash with 0.5 mL of 0.2 M ammonia solution (10,000 rpm, 1 min)
- ↓ Elute with 0.5 mL of 1% AcOH (10,000 rpm, 1 min)
- ↓ Lyophilize
- ↓ 100 μL of DDW

PA-monosaccharides

\*<sup>1</sup> Pre-treatment of PBA spin column

Monospin PBA spin column (GL Science)

- ↓ 0.5 mL of 1% AcOH
- ↓ cfg., 10,000 rpm, 1 min
- ↓ 0.5 mL of 0.2 M ammonia solution
- ↓ cfg., 10,000 rpm, 1 min
- ↓ Discard effluents