

## Analysis of sugar in potato and yam

The components of sugar in potatoes and yams were analyzed by using the post column derivatization method. A fluorescence detector was employed.

### Conditions:

Pump: PU-980  
 Detector : 821-FP  
 Wavelength : Ex. 320nm Em. 430nm  
 Sensitivity : x10, x16  
 Column : Finepak GEL SA-121  
 Eluent : 0.4M H<sub>3</sub>BO<sub>3</sub> buffer (pH 8.0)  
 Flow rate : 0.7ml/min  
 Temperature : 80 degree celsius  
 Sample :  
 1. Sucrose  
 2. Mannose  
 3. Fructose  
 4. Glucose



