

## Analysis of xylose in blood

It is clinically very important to observe recovery of intestine function after transplant operation of the intestinal tract. This recovery of the function can be monitored by xylose concentration in blood after dosage of xylose. Xylose in blood was analyzed using an anion exchange column Finepak GEL SA-121 with 0.45M H<sub>3</sub>BO<sub>3</sub> (pH 9.0) for mobile phase. A post column derivatization method was used for fluorescence detection. The concentration of xylose in blood was a few mg to 100 mg/dl.

### Conditions:

Pump: PU-980  
 Detector: 821-FP  
 Wavelength : EX 320nm, Em 430nm  
 Column : Finepak GEL SA-121  
 Eluent : 0.45M H<sub>3</sub>BO<sub>3</sub> (pH 9.0)  
 Flow rate : 0.5 ml/min  
 Temperature : 60 degree celsius  
 Sample : Xylose  
 Blood

