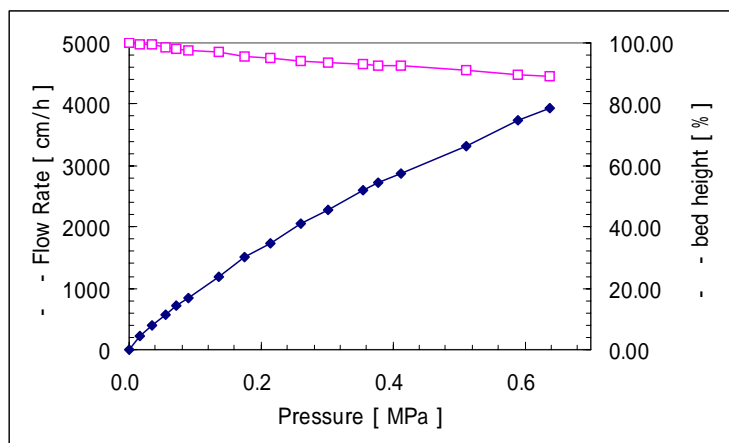


## Celluline GH-25 for desalting, buffer exchange.



Celluline GH-25 can be used at high flow rates.

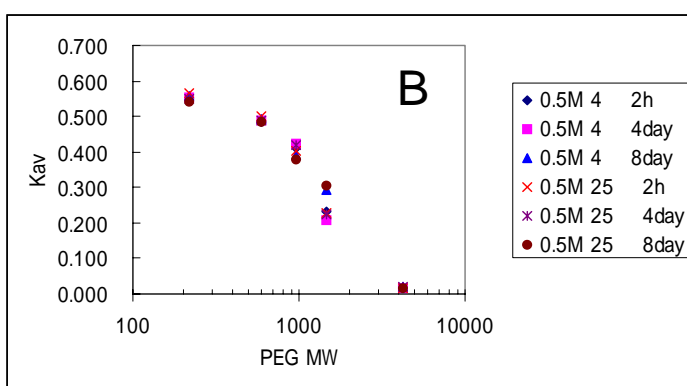
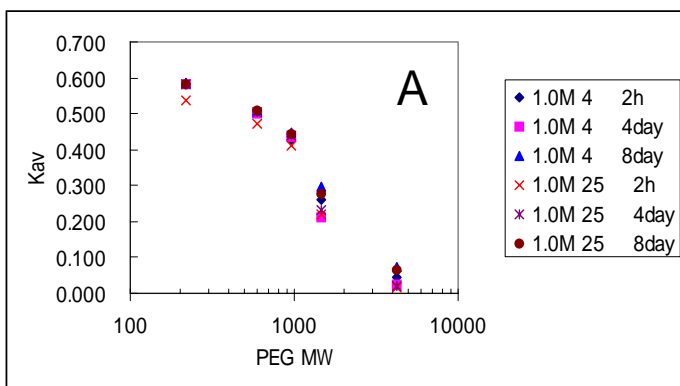
The flow/Pressure curve for Celluline GH-25 column confirms operating flow rate above 3,500cm/h can be obtained.

The compressibility of Celluline GH-25 is approximately 10% at 0.64MPa.

**Fig1. Pressure-flow rate curve for Celluline GH-25**

Column :ID 2.2cm-16cm / Mobile phase : Water at 2°C

## Celluline GH-25 is alkali , acid and chemical stable.



**Fig2. Change selectivity curves for Celluline GH-25 at alkali.**

A: store 1.0M NaOH at 4°C/25°C. B: store 0.5M NaOH at 4°C/25°C. Both store condition Indicated no changing selectivity curves for Celluline GH-25.

### Additional information

When stored in 0.1M NaOH or 0.1M HCl for 30 day at room temperature, the desalting ability and bead shape remained stable. Moreover, when stored in 6M Urea and 6M guanidinium chloride for 7 days at room temperature, the desalting ability and bead shaperemained stable.( Data not shown)

Table 1. Recovery rate of some samples for Cellufine GH-25.

sample	recovery [ % ]	sample	recovery [ % ]
bovine serum albumin	98	ferritin	92
lysozyme	96	fibrinogen	100
gamma-globulin	92	apoferritin	100
cytochrome c	98	chymotrypsinogen	90
myoglobin	96	ribonucleic acid	100
beta lactoglobulin	100	adenosine	100
catalase	100	tryptophan	100

Column : I.D. 1.3cm-12cm / sample : 10mg/5mL / Buffer : 50mM Tris-HCl,pH7.5+0.1M KCl

Cellufine GH-25 can highly recover of samples under low ionic condition.