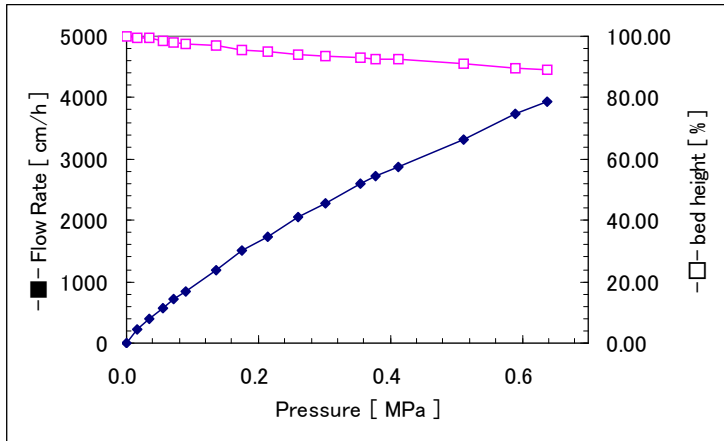


Cellufine GH-25 for desalting, buffer exchange.



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

The flow/Pressure curve for Cellufine GH-25 column confirms operating flow rate above 3,500cm/h can be obtained. The compressibility of Cellufine GH-25 is a approximately 10% at 0.64MPa.

Fig1. Pressure-flow rate curve for Cellufine GH-25
Column :ID 2.2cm-16cm / Mobile phase : Water at 2°C

Cellufine GH-25 is alkali , acid and chemical stable.

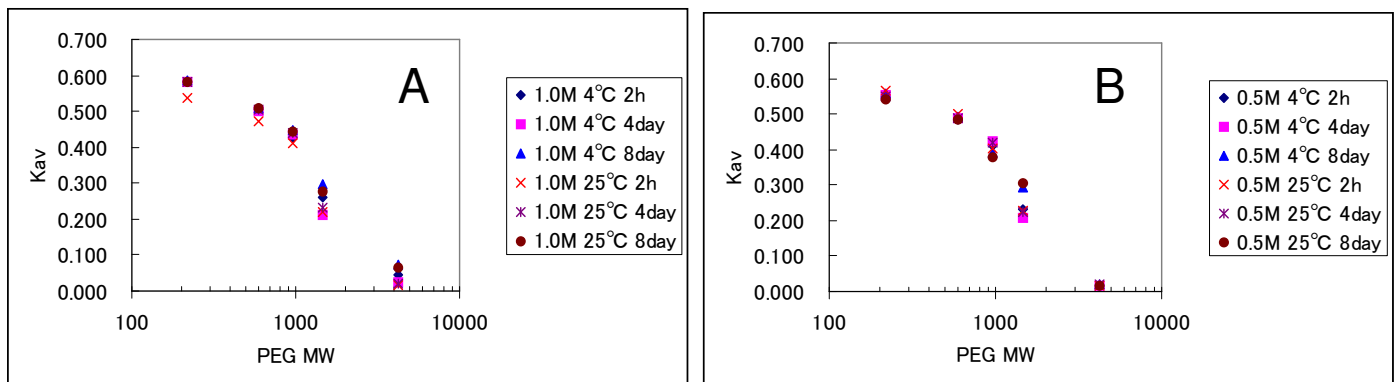


Fig2. Change selectivity curves for Cellufine GH-25 at alkali.

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 Cellufine 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.

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