

Table S1. Total metal removed from single and quaternary metal aqueous solutions by *G. sulphuraria*, strain SAG 107.79. Data are expressed as $\mu\text{mol/g}$ dry matter. The total metal removed quantities were calculated by adding the amount of every metal component ($\text{Y}^{3+} + \text{Ce}^{3+} + \text{Eu}^{3+} + \text{Tb}^{3+}$).

Total metal removed ($\mu\text{mol/g dm}$)	Metal system	pH 2.5		pH 3.5		pH 4.5		pH 5.5	
		Single	Quaternary	Single	Quaternary	Single	Quaternary	Single	Quaternary
	Y3+	0.39	0.17	0.83	0.23	4.75	1.56	10.44	1.75
	Ce3+	0.41	0.15	1.08	0.33	5.94	2.09	10.97	3.11
	Eu3+	0.42	0.16	1.44	0.76	10.82	6.21	14.34	6.99
	Tb3+	0.40	0.19	1.22	0.62	10.85	5.69	11.13	6.43
Total metals		/	0.66	/	1.93	/	15.56	/	18.28