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(54) Title: DOWNSTREAM PROCESSING OF AN ALKALINE PHOSPHATASE

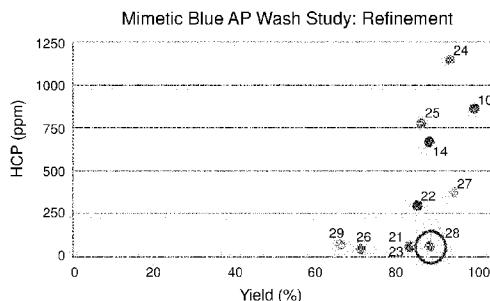


FIG. 13A

(57) Abstract: The invention relates to the field of downstream processing (DSP) of an alkaline phosphatase (AP). More specifically, it relates to a method for reducing host cell protein content in a composition comprising AP. The invention further relates to a composition comprising an AP and a reduced content of a host cell protein.

Label	ID	Captro Adhere run #	Test Wash Condition (+ 20mM Tris, 2mM MgCl ₂ , 50μM ZnCl ₂)	Load density (g recAP/L resin)	Elution buffer NaCl conc.	HCP (ppm)	Normalized HCP	recAP Yield (%)
10-●	Run 10	1	none (elution buffer control)	2.2	none	862	0.42	59
14-●	Run 14	2	none (control for new Captro Adhere wash step)	1.8	none	667	0.33	88
21-●	Run 21	2	1M urea	1.8	none	53	0.03	83
22-●	Run 22	2	2M urea	1.8	none	289	0.15	65
23-●	Run 23	2	40 mM arginine	1.8	none	54	0.03	83
24-●	Run 24	3	none (control for new load lot)	2.3	none	1145	0.86	93
25-●	Run 25	3	10% ethylene glycol + 1M urea	2.3	none	777	0.39	88
26-●	Run 26	3	40mM arginine + 1M urea	2.3	none	46	0.02	71
27-●	Run 27	3	1M urea	3.0	none	371	0.18	84
28-●	Run 28	3	40mM arginine	3.0	none	59	0.03	88
29-●	Run 29	3	40mM arginine + 1M urea	3.0	none	88	0.03	86

FIG. 13B



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