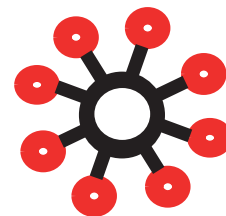
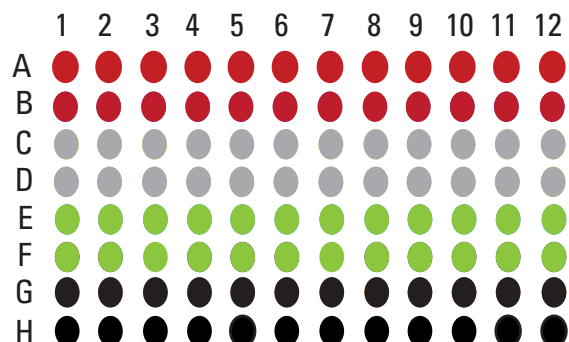
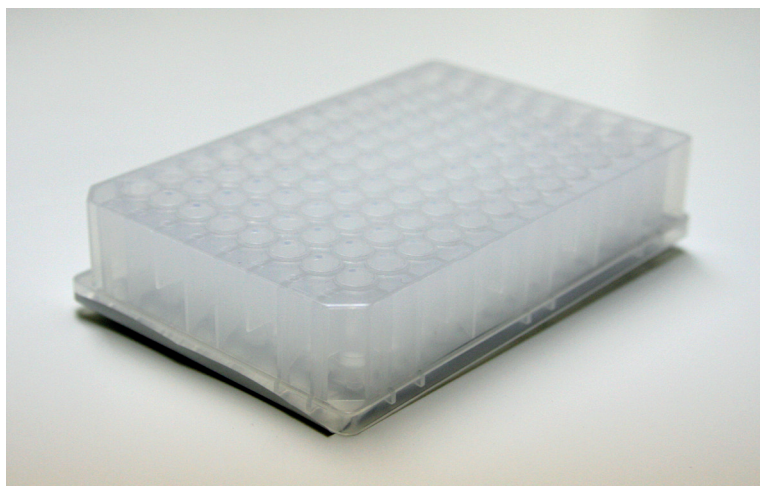


# Resin Seeker AIEX 96-well Plate Kit



P/N OC41MDAEX-96

*A method development kit for Anion Exchange Chromatography (AIEX)*



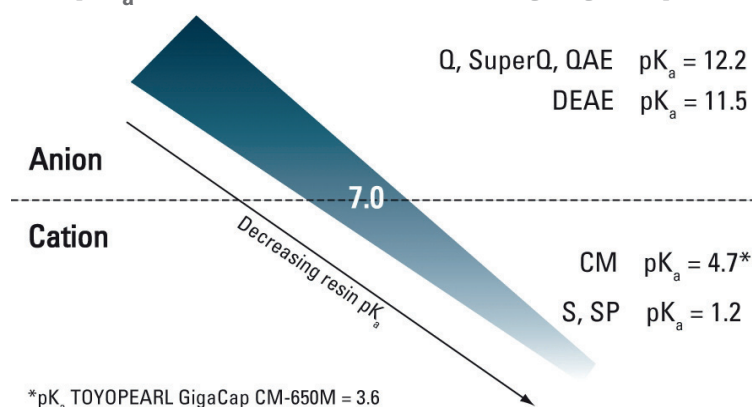
20  $\mu$ L resin volumes

Each kit includes both  
a collection and a wash plate.

## Resins used:

- TOYOPEARL GigaCap<sup>®</sup> Q-650M
- TOYOPEARL<sup>®</sup> SuperQ-650C
- TOYOPEARL Q-600C AR
- TOYOPEARL DEAE-650C

## pK<sub>a</sub> values for Ion Exchange groups



## Typical Resin Dynamic Binding Capacities (DBC) and Physical Properties

Anion Exchange resin	Base bead	Pore size (Å)	Particle size (µm)	IEC (meq/mL resin)	DBC (BSA) (mg/mL-gel)	Recovery (%)
Toyopearl GigaCap Q-650M	HW-65	1,000	50-100	0.17	172	97
Toyopearl SuperQ-650M	HW-65	1,000	40-90	0.24	145	98
Toyopearl DEAE-650M	HW-65	1,000	40-90	0.11	25	97
Toyopearl Q-600C AR	HW-60	750	50-150	0.18	100	98
Toyopearl QAE-550C	HW-55	500	50-150	0.36	30	96

## DBC Varies with Protein Size

Resin	Pore Size (Å)	Binding capacity (mg/mL-gel)		
		BSA 66 kDa	Human IgG 160 kDa	Thyroglobulin 660 kDa
Toyopearl GigaCap Q-650M	1,000	173	108	71
Toyopearl Super Q-650M	1,000	145	13	3
Toyopearl Q-600C AR	750	108	90	26
Toyopearl QAE-550C	500	29	32	6
Toyopearl DEAE-650M	1,000	25	31	3