

# Zetarene IEX Resin

for the separation  
of oligonucleotides based  
on charge interaction

Zetarene resins are based on highly crosslinked polystyrene/divinylbenzene. The uniformly shaped beads with a porous surface ensure high capacity and a high degree of performance at high flow rates.



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made possible*

# Ion Exchange Purification

IEX Solid Phase for the separation of oligonucleotides based on charge interaction

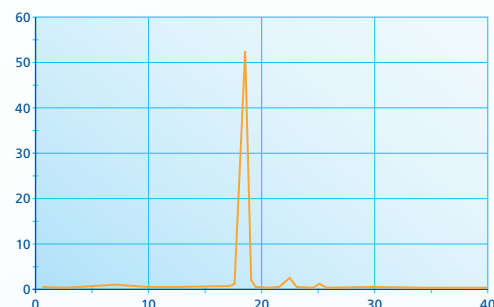
*emp BIOTECH's Zetarene* range are strong ion exchange resins based on highly crosslinked polystyrene/divinylbenzene with an average diameter of 15  $\mu\text{m}$  or 30  $\mu\text{m}$ .

The consistency of the particle distribution allows for high resolution and low back pressure. The beads are uniformly shaped with a porous surface, increasing the available surface for binding. This ensures high capacity for biomolecules and a high degree of performance at high flow rates.

The solid phase is chemically resistant and can be operated under high pressure. This is particularly useful for high throughput purification of biomolecules such as oligonucleotides.

**Zetarene** resins are available either as a strong anion exchanger activated with quaternary ammonium (**Zetarene Q**) or as a strong cation exchanger charged with sulfonate ligands (**Zetarene S**).

Volume transformation: CE Diameter ( $\mu\text{m}$ )



Product Name	Particle Size	Ionic Capacity	Ion Exchanger Type	Ion Exchange Group	Maximum Flow Rate	Bulk Resin
Zetarene Q15	~ 15 $\mu\text{m}$	$\geq 0.08$ mmol $\text{Cl}^-/\text{mL}$	strong AEX	quaternary ammonium	$\geq 1800$ cm/h	TM-8201
Zetarene Q30	~ 30 $\mu\text{m}$	$\geq 0.08$ mmol $\text{Cl}^-/\text{mL}$	strong AEX	quaternary ammonium	$\geq 1800$ cm/h	TM-8202
Zetarene S15	~ 15 $\mu\text{m}$	tba	strong CEX	sulfonate	$\geq 1800$ cm/h	coming soon
Zetarene S30	~ 30 $\mu\text{m}$	tba	strong CEX	sulfonate	$\geq 1800$ cm/h	coming soon

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