

NAME: _____

Diethylaminoethyl (DEAE) cellulose is a common ion exchange resin (stationary phase).

1. The pKa of DEAE is approximately 11.5. If the resin is equilibrated with buffer at pH 7.0, what will be the overall charge of the stationary phase?

Positive Negative

2. What type of ion exchange chromatography would you consider this?

Cation exchange Anion exchange

3. If you wanted to purify a protein on a DEAE column equilibrated with buffer at pH 7.0, which must be true?

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