

Product Data Sheet

Cat# **SP-54392-5**

Description: Polylysine (AA: Lys-Lys-Lys-Lys-Lys-Lys-Lys-Lys-Lys) (MW: 1299.77)

Size: 5 mg

Purity: >95%

Store: Desiccated at -20oC.

Poly-L-lysine is a positively charged amino acid polymer. Poly-L-lysine is a nonspecific attachment factor for cells useful in promoting cell adhesion to solid substrates. Poly-L-lysine enhances electrostatic interactions between negatively charged ions of the cell membrane and the culture surface. When adsorbed to the culture surface, poly-L-lysine increases the number of positively charged sites available for cell binding. Polymers of both D- and L-lysine are used to coat solid surfaces. Poly-L-lysine has been reported to improve the protein coating of ELISA plates. However, in culture applications, certain cells can digest , poly-L-lysine. In this situation, poly-D-lysine should be used as the attachment factor so that the cells are not disrupted by excessive uptake of L-lysine.

References: Jacobson BS (1977) Science 195, 302; Needham L (1988) Lab. Invest. 59, 538-548; Banerjee DS (1989) In. j. Exp. Biol. 27, 972-976

Related Items

SP-54392-5 Polylysine (AA: Lys-Lys-Lys-Lys-Lys-Lys-Lys-Lys-Lys) (MW: 1299.77)

SP-101947-10 Lys-Lys-Lys (MW: 402.53)

SP-101948-5 Lys-Lys-Lys-Lys (MW: 530.73)

SP-101949-5 Lys-Lys-Lys-Lys-Lys (MW: 658.73)

SP-101950-50 Lys-Lys-Dihydrochloride (MW: 347.28)

SP-101951-25 Poly-L-Lysine hydrochloride (MW: 15-30 kda)

SP-101951-25 Poly-L-Lysine hydrochloride (MW: >30 kda)

SP-101952-5 Poly-L-Lysine-Agarose (4-15 Kda), aff matrix

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