

ATP Agarose

Cat. No. ATP-001A **Lot. No.** (See product label)

SPECIFICATION

Product Overview A ligand commonly used for this ATP Agarose resin is ATP (adenosine-5'-triphosphate) since a very large number of proteins such as kinases, motor proteins, and chaperones bind ATP with high affinity.

Cat.no ATP-001A

Characteristics ATP Agarose is used in the purification of ATP binding proteins. Any protein with an accessible ATP-binding domain will bind to it, regardless of activation state. The activated proteins will bind to the resin with higher affinity than the corresponding inactivated protein. Better recovery and yields may be obtained when the purification is followed by ion exchange chromatography.

Matrix Highly cross-linked agarose

Average particle size 45 - 165 μm

Ligand ATP

Ligand concentration 2 – 5 ATP μmol / ml drained gel

Chemical stability Stable to all solutions commonly used in gel filtration including 8 M urea and 6 M guanidine hydrochloride. Not stable in organic solvents!

pH working range 7.5

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pH CIP range

4 - 9

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