Activated Thiol Agarose Fast Flow

Cat. No. Thiol-101A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Activated Thiol Agarose Fast Flow medium is a medium used for reversible immobilization of molecules containing thiol groups under mild conditions. Optimized for immobilization of large molecules. Activated Thiol Agarose Fast Flow reacts with solutes containing thiol groups under mild conditions to form mixed disulphides. This reaction forms the basis of covalent chromatography and a procedure for immobilizing thiol containing biomolecules1. Reversible coupling of proteins and large biomolecules with thiol groups via a glutathione spacer arm2. Well suited for covalent chromatography of large molecules such as enzymes and nucleic acids3. Gel also reacts with heavy metal ions and with alkyl and aryl halides. Addition reactions occur with compounds containing C=O, C=C, and N=N bonds4. Separate thiol-containing proteins from non-thiol-containing proteins
Cat.no	Thiol-101A
Size	20 ml; 50 ml
Matrix	cross-linked Agarose
Functional group	-SH
Average particle size	90 μm
Ligand concentration	15-30 μmol /ml
Recommended flow	300 cm/h

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rate	
Chemical stability	Stable to all commonly used aqueous buffers and additives like detergents.
Physical stability	Negligible volume variation due to changes in pH or ionic strength.
pH working range	3-10
Shelf life	Stable for 2 years when stored at -20 °C

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