

Fat-free Milk

Product Description

Fat-free Milk powder	768701 , 500g
<i>Suits most biotechnologies, notably saturation for immunodetections</i>	Storage: Room temperature (Z)

Technical information

Fat free Milk is widely used in biotechnology detection methods to block unspecific binding sites for other assay reagents. It is widely used notably in Western-blotting technique with Nitrocellulose, PVDF or Nylon membranes and Chemiluminescent substrates (i.e. UptiLight), but also in ELISA technique (r). The major protein of Milk, casein, is responsible of most of the binding site saturation effect

Fat free milk is used typically at 1-5% in PBS or TBS for saturation step, and also as immunologicals dilution buffer at 0.5-3%.

Fat free milk, as any saturating agent, is not of universal use: in case of insufficient saturation of blots, or in case of low detection of desired molecules (protein, nucleic acid), one should try other saturating agents because of possible 1/insufficient saturation effect 2/masking antigens 3/interference with some detection system, notable biotin based systems may yield background or low signal. Then other classic alternatives are BSA (also of bovine origin), Gelatin or Rapidblock (no protein). See related products.

Product for R&D use

References

Leprosy review, 1988, vol. 59, no1, pp. 37-43. DOUGLAS J.T. et al.; Evaluation of inexpensive blocking agents for ELISA in the detection of antibody in leprosy [Abstract](#) (fr)

Please ask Uptima- Interchim for any question.

Related products

Other albumins:

BSA, fatty acid free [#BX3440](#)
 BSA, fatty acid free, 30% solution [#10160](#)
 BSA lyophilized, pH5.2 [#BX5640](#)
 polymerised BSA, 30% solution [#BJ1440](#)
 polymerised BSA, 30% solution, IH grade [#BJ1450](#)
 BSA, nitrated protein [#HS1940](#)
 BSA maxibind [#UP84225A](#)

Other saturating agents for immunoassays ([page A352+](#)), i.e.

-[SeaBlock](#) to reduce background due mammalian crossreactivities)
 -BSA containing buffers (PBS, TBS)
 -Fat-free powdered milk [#768701](#)

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