

Product Description:

Selection of cells and other biological products using BioMagnetic Solutions FerroSelect Ferrofluid and the end user’s biotinylated monoclonal antibodies (mAbs).

BioMagnetic Solutions recommends the use of streptavidin ferrofluid at a final concentration of 6.0 – 15.0 µg/mL in combination with cells at a final concentration of 5 x 10⁷ cells/mL, although these numbers may vary upon use with the end user’s biotinylated mAbs. The use of FerroSelect Ferrofluid to select other biological products should be developed by the end user.

To support the end user in developing their own approach to the selection of cells of their choice, BioMagnetic Solutions produces three different kits of streptavidin ferrofluid as detailed in Table 1. The end user should optimize the concentration of biotinylated antibody and streptavidin ferrofluid needed to bring about a successful cell separation. BioMagnetic Solutions does NOT recommend washing out excess biotinylated antibody before adding ferrofluid, therefore, working in gross antibody excess may not necessarily yield an efficient separation.

Table 1: FerroSelect Ferrofluid Kits		
FerroSelect Ferrofluid Kit	Ferrofluid Concentration	Catalog Number
FerroSelect™ Ferrofluid	75 µg/mL	28-0027
FerroSelect™ Ferrofluid	550 µg/mL	28-0029
FerroSelect™ Ferrofluid	1100 µg/mL	28-0028
Kit Details:		
1.0 mL of Streptavidin Ferrofluid (SA-FF) in 0.3% recombinant Human Serum Albumin (rHSA)		
Storage: Store at 2-8 °C. Do Not Freeze		
Expiration as per label/CoA		

To separate the FerroSelect Ferrofluid, BioMagnetic Solutions recommends the use of either the Ferroselect Quadrupole Magnets or the FerroSelect Array, both of which have been specifically designed for use with the ferrofluid.

BioMagnetic Solutions Required Materials:

A FerroSelect Ferrofluid Kit (Table 1) depending on user needs.

A FerroSelect Quadrupole Magnet: *(see the FerroSelect™ Quadrupole Magnet Instructions for Use for more information)*

- FerroSelect QP5 Quadrupole Magnet (Cat. No: 24-0001): Maximum volume of 4.0 mL
- FerroSelect QP15 Quadrupole Magnet (Cat. No: 24-0002): Maximum volume of 12.0 mL

A Ferroselect Array and associated disposables set (Cat. No: 24-0003)

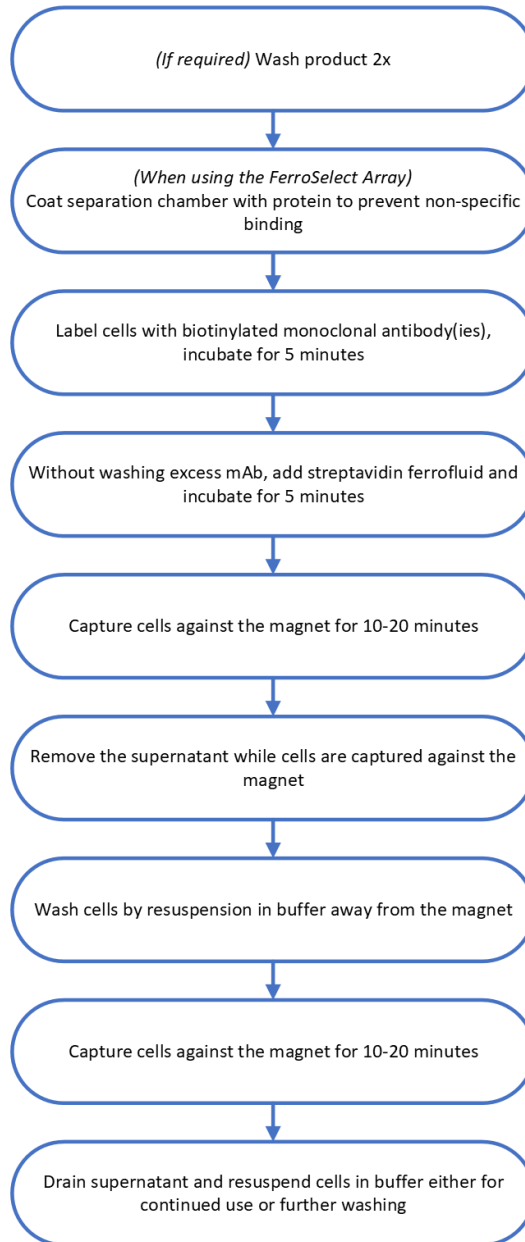
Additional Required Materials:

End user’s biotinylated monoclonal antibodies



Procedure:

This is intended as a general outline to assist the end user in developing their own procedures.





Guidance for using the FerroSelect™ Ferrofluid with the FerroSelect™ Quadrupole Magnets and FerroSelect™ Array

Doc: 26-0101-04 Eff. 15-Nov-2023

Precautions and Disclaimers:

This product is for Research Use Only, not for use in Diagnostic Procedures, and for *ex vivo* use only. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices. The kit should not be used post expiration dating.

This product is manufactured in the USA entirely from material of non-animal origin. The manufacture, packaging, storage, and transportation of these materials do not involve the use of material of animal origin. This information is to be used for the purpose of determining animal origin only and not to be confused with 'country of origin' for import/export purposes.

Limited Use Label License:

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If the purchaser is not willing to accept the limitations of this limited use statement, BioMagnetic Solutions is willing to accept the return of unopened, unused product. For information about purchasing a license to use this product or the technology embedded in it for any use other than for research use please contact BioMagnetic Solutions.

Certifications:

BioMagnetic Solutions' Quality Management System is certified to ISO 9001:2015 and ISO 13485:2016 by NQA.



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