

## FragIT™ Kit - Some Things are Simple

Genovis launches FragIT Kit which include one spin column for fragmentation of IgG and one spin column for capturing the Fc part isolating the intact F(ab')<sub>2</sub>. The kit provides a quick protocol for a superior yield of F(ab')<sub>2</sub> or Fab fragments in a scalable format.

FragIT Kit contains one spin column for IgG fragmentation (FragIT spin column) and one Fc capturing spin column. The kit is available in three standard sizes; 0.5, 10 and 100 mg. Genovis provides other format on request.

FragIT spin columns come prefilled with FabRICATOR® enzyme immobilized on agarose that allow for easy and quick fragmentation of IgG into F(ab')<sub>2</sub> and Fc fragment. Fragmentation of IgG is typically associated with low yield, heterogeneity of the produced fragments and a cumbersome and time-consuming process. All these shortcomings can now be solved using FragIT columns. After elution from the FragIT column, F(ab')<sub>2</sub> and Fc fragments are separated using a Fc capturing spin column. This column contains anti Fc IgG molecules conjugated to agarose. The F(ab')<sub>2</sub> fragments are easily eluted at a very high yield.

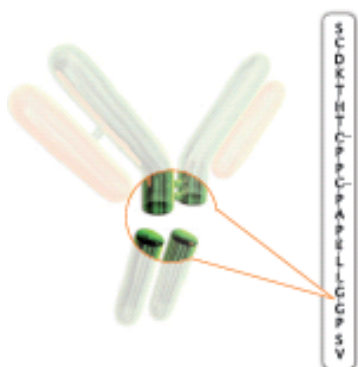
If Fab fragments is a more desirable format the conversion into Fab fragments is performed in one quick reduction step, for further information see web site [www.genovis.com/Fab2\\_to\\_Fab](http://www.genovis.com/Fab2_to_Fab)



Lane 1: Avastin

Lane 2: After fragmentation using FragIT MicroSpin column

Lane 3-5: Flow-through after removal of Fc-fragment using CaptureSelect® Fc-specific resin.



### FabRICATOR®

Genovis has developed FabRICATOR, to rapidly generate precise F(ab')<sub>2</sub> fragments. FabRICATOR is a partially modified and his-tagged IdeS enzyme\* that cleaves IgG in a singular defined site below the hinge region leaving an intact F(ab')<sub>2</sub> and two residual Fc fragments. The yield of the reaction is high and the enzyme does not further digest the resulting products.

*\*IdeS is a highly substrate specific cysteine protease originating from Streptococcus pyogenes.*

Read more: [www.genovis.com/FragIT-Kit](http://www.genovis.com/FragIT-Kit)

*\*CaptureSelect is a trademark of BAC BV, Netherlands.*

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