

Molecular Biotechnology Programme

Uppsala University School of Engineering

UPTEC X 06 006	Date of issue 2006-04
Anders Blomqvist	
Title (English) Optimization of phage display selection methods for Affibody® molecules	
Title (Swedish)	
Abstract	
New phage display selection strategies to find Affibody [®] molecules were evaluated. Different types of and alternation of solid supports were compared to find the most efficient way of selection. By using alternating solid support in selection, efficiency increased the most. Different washing strategies were also studied. Some of the washing protocols made the selection more efficient, but influenced properties of found Affibody [®] molecules.	
Keywords	
Phage display, selection, streptavidin, Neutravidin, Tween 20, Affibody® molecule, protein A	
Supervisors Anna Jarelöv Palm Affibody AB	
Scientific reviewer	
Mikael Widersten Department of biochemistry at Uppsala University	
Project name	Sponsors
Language	Security
English	Secret until 2006-12-31
ISSN 1401-2138	Classification
Supplementary bibliographical information	Pages 42
Biology Education CentreBiomedical CenterHusargatan 3 UppsalaBox 592 S-75124 UppsalaTel +46 (0)18 4710000Fax +46 (0)18 555217	