



UPPSALA
UNIVERSITET

Molecular Biotechnology Programme

Uppsala University School of Engineering

UPTEC X 09 009	Date of issue 2008-03	
Author	Jenny Klement	
Title (English)	Method development for siRNA silencing in primary hippocampus culture by means of Cellaxess electroporation	
Title (Swedish)		
Abstract	Transfection of neurons by electroporation is a technique which enables the study of neuronal function, development and physiology with the aim of developing new drugs to cure different brain disorders. An optimization of the transfection protocol for Cellaxess electroporation with maximal transfection efficiency and maximal cell viability was developed for primary rat hippocampus culture.	
Keywords	Rat hippocampal neurons, Cellaxess electroporation, transfection protocol optimization	
Supervisors	Marie-Louise Johansson Celectricon AB, Mölndal	
Scientific reviewer	Åsa Fex Svenningsen Uppsala universitet, Institutionen för neurovetenskap	
Project name	Sponsors	
Language	Security	
English		
ISSN 1401-2138	Classification	
Supplementary bibliographical information	Pages	
	57	
Biology Education Centre Box 592 S-75124 Uppsala	Biomedical Center Tel +46 (0)18 4710000	Husargatan 3 Uppsala Fax +46 (0)18 555217