Electrophoresis Protocol for anamed Tris Glycine Gels

Native Electrophoresis

Sample Buffer, 2-fold

Tris/Cl^-	200	mM	
Glycerol	20	%	
Bromophenol Blue	0,005	%	
pH	8,6		

Running Buffer, 10-fold

Tris	250	mM	
Glycine	1,92	M	
pH	8,5		Do not use acid or base to adjust pH.

Running Conditions

Voltage	125	V	constant
Expected Current	~ 12	mA	per gel at the beginning of the run
	~ 6	mA	per gel at the end
Run Time	1 – 12	h	

Denaturing (SDS) Electrophoresis

Sample Buffer, 2-fold (for reducing conditions reducing agent can be added)

Tris/Cl^-	125	mM	
Glycerol	20	%	
SDS	4	%	
Bromophenol Blue	0,005	%	
pH	6,8		

Running Buffer, 10-fold

Tris	250	mM	
Glycine	1,92	M	
SDS	1	%	
pH	8,3		Do not use acid or base to adjust pH.

Running Conditions

Voltage	125	V	constant
Expected Current	~ 40	mA	per gel at the beginning of the run
	~ 20	mA	per gel at the end
Run Time	~ 90	min	