

done by

date / /

two-dimensional gel electrophoresis

first dimension (IEF)

upper reserver 20mM NaOH

lower reserver 10mM orthophosphate (0.68 ml in 1 L water)

100 volt	(30 min)	:	---	:
200 volt	(60 min)	:	---	:
300 volt	(60 min)	:	---	:
400 volt	(15 min)	:	---	:

Equilibration buffer of IEF gel for second dimension	
50% glycerol	10.0 ml
2-ME	2.5 ml
10% SDS	11.5 ml
0.5M Tris-HCl (pH6.8)	6.25ml
0.1M EDTA	0.5 ml
add water to 50 ml	

second dimsension SDS-PAGE (gel concentration %)

current mA(10----20mA)

staining: CBB staining Silver staining

Western blotting----- immunostaining