Vertikal Isoelectric Focussing

Sample Buffer 2-fold concentrate, for preparing 10 ml:

1,0 ml	Ampholyte solution
3,0 ml	Glycerol
5 mg	Phenol Red
6,0 ml	Water, ultra pure

Anoden Buffer I ready-to-use solution, also suitable for reverse IEF

0,34 %	L-Asparatic acid
0,36 %	L-Glutamic acid

Anode Buffer II 50-fold concentrate

2,4 %	Phosphoric acid, 85 %

Cathode Buffer I for IEF pH 3 – 10, ready-to-use solution

0,35 %	Arginine base
0,29 %	Lysine base

Cathode Buffer II for IEF 3 – 7 und other narrow ranges, ready-to-use solution

0,58 %	Lysine base

Electrophoresis

pH 3 – 10 and pH 3 – 7	pH 5 – 7 and 4 – 6 etc.
100 V, 60 min	100 V, 30 min
200 V, 60 min	200 V, 30 min
500 V, 30 min	500 V, 120 min

Detection There are several methods for fixing and detection of protein bands, please find one below.

Fixing:	20 % Trichloroacetic acid, 15 min, RT
Rinsing:	Water, ultra pure, 2 x 5 min
Staining:	0,1 % Serva Violet 17 in 10 % Phosphoric acid, 15 min, RT Please prepare solution freshly.
Destaining:	Water, ultra pure, 3 x 10 min