

Materials List for:

Use of Capillary Electrophoresis Immunoassay to Search for Potential Biomarkers of Amyotrophic Lateral Sclerosis in Human Platelets

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URL: <https://www.jove.com/video/60638>

DOI: [doi:10.3791/60638](https://doi.org/10.3791/60638)

Materials

Name	Company	Catalog Number	Comments
12-230 kDa Separation kit	ProteinSimple	SM-W004	Contains pre-filled assay plate and 25-channel capillary cartridge
3000G Thermocycler	Techne	FTC3G/02	We used this thermocycler for heating the sample mix
Anti-Mouse detection kit	ProteinSimple	042-205	Includes HRP-conjugated secondary antibody, buffer, luminol reagent, molecular weight marker
Anti-P(S409-410) TDP-43 antibody	ProteinTech	22309-1-AP	Primary antibody that recognizes phosphorylated TDP-43
Anti-P(S409-412) TDP-43 antibody	CosmoBio-USA	TIP-PTD-P02	Primary antibody that recognizes phosphorylated TDP-43
Anti-Rabbit detection kit	ProteinSimple	DM-001	Includes HRP-conjugated secondary antibody, buffer, luminol reagent, molecular weight marker
Anti-TDP-43 (pan) antibody	ProteinTech	10782-2-AP	Primary antibody that recognizes whole TDP-43 protein
Compass for SimpleWestern (SW)	ProteinSimple	Ver.4.0.0.	Compass for SW is the control and data analysis application for SimpleWestern instruments
Sonic Dismembrator; Model100	Fisher Scientific		Sonicator. Used to rupture the cell membrane. This model is discontinued (Model XL2000-350)
Table top centrifuge	Eppendorf	22625004	Model# 5810 with swinging plate bucket
Wes analyzer	ProteinSimple	55892-WS-2203	Performs the capillary gel electrophoresis