

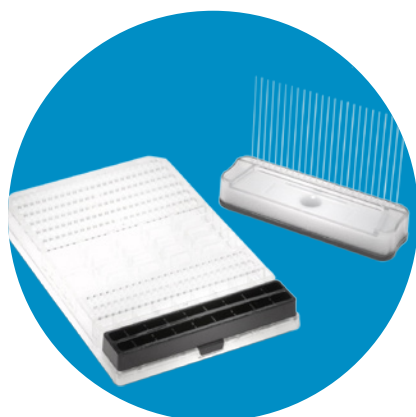
# Simple Westerns Just Got Even Simpler

Simple Prep, Simple Loading, Simple Disposal

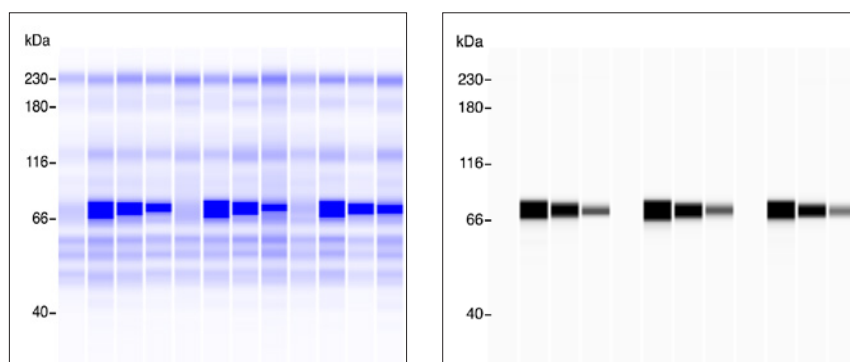
## Meet Wes®



Add your samples and primary antibody or labeling reagent to the **pre-filled** assay plate. Pop in Wes' capillary **cartridge** and load the plate. Push start and in just 3 hours get quantitated size-based separation data on up to 25 samples. After the run, simply toss the used cartridge and plate and you're done.



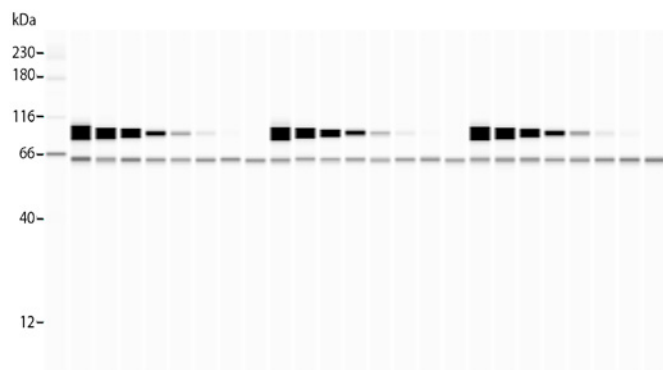
**FIGURE 1.** Capillary cartridge and pre-filled plate.



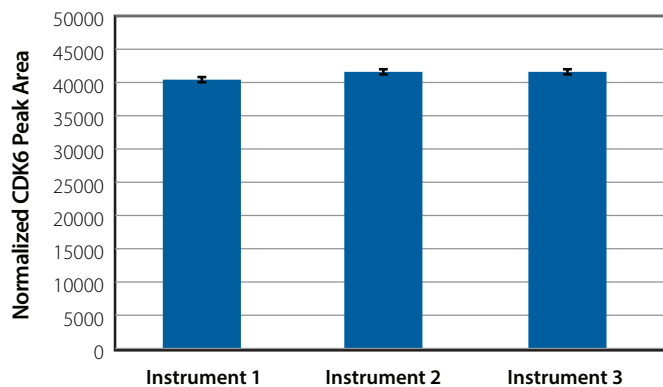
**FIGURE 2.** Total protein (left) and immunoassay (right) detection of decreasing concentrations of DnaK in HeLa lysate (15, 7.5 and 3.75  $\mu\text{g}/\text{mL}$  in the Total Protein Assay, 0.015, 0.0075 and 0.00375  $\mu\text{g}/\text{mL}$  in the immunoassay).

## Get More from Your Data

The curve-fit feature in Wes' software allows comparison of endogenous protein levels with a standard curve for accurate quantitation. The optional system control provides inter-assay and inter-instrument data standardization. Wes has tools that allow you to confidently transfer your data and your protocol across the lab, across the street or across the world.



**FIGURE 3.** GST-labeled AKT was used to generate a standard curve for quantitation of endogenous AKT. AKT-GST was spiked into Jurkat lysate at decreasing concentrations (250–0 pg/ $\mu$ L) and both the labeled and endogenous proteins were detected using an AKT1 monoclonal antibody. Linear regression analysis was performed and the endogenous concentration of AKT in the samples was calculated as 21 pg/ $\mu$ L.



**FIGURE 4.** CDK6 after normalization with the 10X System Control Primary Antibody-Rabbit (P/N 042-196). Data is from assays (n=2) run on three different instruments. The inter-instrument CV following normalization is <3%.

### SPECIFICATIONS

DESCRIPTION	TOTAL PROTEIN SPECIFICATION	IMMUNOASSAY SPECIFICATION
<b>Sample Required</b>	0.3–1.2 $\mu$ g	0.6–1.2 $\mu$ g
<b>Volume Required</b>	3 $\mu$ L/well	3 $\mu$ L/well
<b>Size Range</b>	Molecular weight (MW) ladder ranges from 2–440 kDa	Molecular weight (MW) ladder ranges from 2–440 kDa
<b>Sizing CV</b>	<10%	<10%
<b>Intra-assay CV</b>	<15%	<15%
<b>Inter-assay CV</b>	<20%	<20%
<b>Resolution (<math>\pm</math> percent difference in MW)</b>	$\pm$ 15–20% for MW <20 kDa $\pm$ 10% for MW >20 kDa	$\pm$ 15–20% for MW <20 kDa $\pm$ 10% for MW >20 kDa
<b>Quantitation CV</b>	<20%	<20%
<b>Dynamic Range</b>	2–3 logs	3–4 logs
<b>Sensitivity</b>	ng	Low pg
<b>Capillary</b>	5 cm, 100 $\mu$ m, 400 nL	

**Wes:** part # 004-600