

CyBio FELIX: Making Simple Western™ Technology ... more simple

The Simple-Western™ JESS is a capillary based automated western blot instrument capable of running 24 samples from generation to results in approximately 5 hours. This throughput is advantageous compared to traditional western blot systems that traditionally runs 10-20 samples, has 4-5 hours bench time, and takes 24-48 hours to get results. Automation of the protein separation and immunodetection process eliminates the error prone steps of traditional western blotting and the associated software quickly processes the quantifiable data. At Aurelia Bioscience, the Simple-Western™ JESS is a staple technique in a repertoire of drug discovery methodologies. Therefore, our aim was to simplify the Simple-Western™ procedure, increasing flexibility of a scientist's workload and reproducibility of JESS data, while also allowing inexperienced users to access the technology. In order to examine the capabilities of the technology, THAL-SNS-032 (a well-studied PROTAC) was examined for its ability to degrade CDK9 and compared previously generated data presented in the Protein-Simple™ webinar "**Advancing Targeted Protein Degradation Research with Automated Western Blotting**".