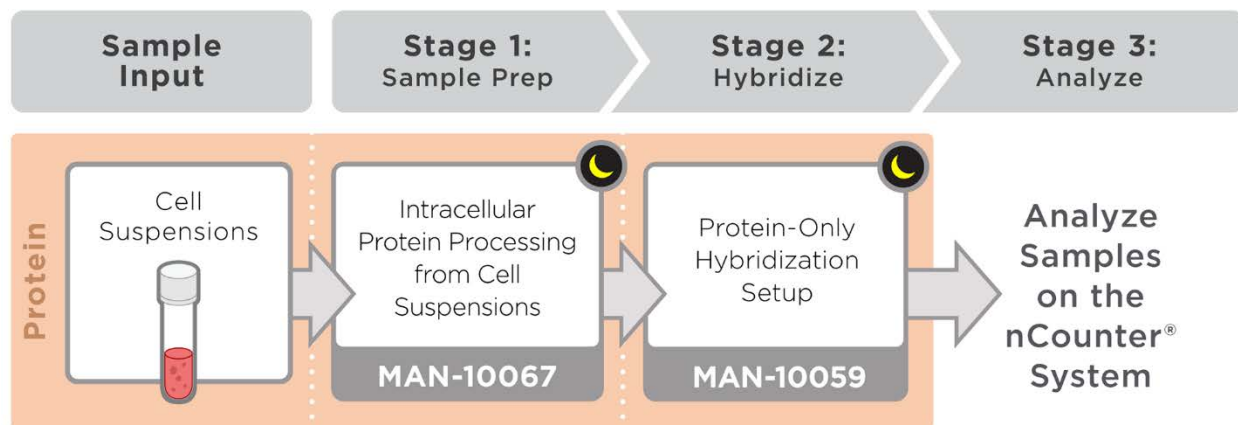nanoString™

Vantage 3D Protein Immune Cell Signaling Panel
for Cell Suspensions
with Intracellular-Compatible Universal Cell Capture Kit

The nCounter® Vantage 3D Protein Immune Cell Signaling Panel for cell suspensions simplifies protein expression analysis with curated content for 26 total intracellular protein targets. This highly multiplexed assay is capable of characterizing protein from as few as 50,000 cells.

The core nCounter technology uses unique molecular barcodes to detect nucleic acids of increasing variety. Protein detection in the Vantage 3D Protein Immune Cell Signaling Panel utilizes antibodies specific to proteins of interest that have been barcoded with unique synthetic DNA oligonucleotides. Each DNA oligonucleotide is then recognized by a unique Reporter probe that contains a fluorescent barcode. The fluorescent probes are then imaged and counted by the nCounter Analysis System to provide a direct, digital readout of protein expression.

Learn more about 3D Biology™ Technology.

Product Workflow

Figure 1. Workflow for the Vantage 3D Protein Immune Cell Signaling Panel for Cell Suspensions with Intracellular-Compatible Universal Cell Capture Kit.

Materials and Supporting Documents

Table 1. Materials provided in the Vantage 3D Protein Immune Cell Signaling Panel for Cell Suspensions with Universal Cell Capture Kit

Kit	Reagents	Storage
Vantage 3D Protein Immune Cell Signaling Panel for Cell Suspensions (D) + Universal Cell Capture Kit	Protein	
	Protein TagSet	-80°C
	Antibody Mix	-80°C
	Universal Cell Capture Kit	
	Universal Cell Capture Beads	4°C (2–8)°C (**Do not freeze**)
	Buffer FD	4°C (2–8)°C
	Buffer FC	4°C (2–8)°C
	Buffer PW	4°C (2–8)°C
	Buffer W	4°C (2–8)°C
	Buffer LH	Room temperature (15–25)°C

NOTE: Please reference the manuals listed in Figure 1 and Table 2 for additional required reagents not supplied by NanoString.

Table 2. Supporting Documents

Step	Manual	Protocol
Protein Preparation	MAN-10067	Intracellular Protein Processing from cell suspensions with Universal Cell Capture Kit, Intracellular Compatible
Hybridization	MAN-10059	Protein-only Hybridization Setup (CodeSet)

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