Vantage 3D RNA:Protein Solid Tumor Assay for Lysate

The nCounter® Vantage 3D RNA:Protein Solid Tumor Assay for Lysate simplifies RNA and protein expression analysis with curated content covering up to 770 RNA targets and 28 total and phospho-protein targets. This highly-multiplexed assay is capable of simultaneously characterizing RNA and protein expression from as little as 1 µg of protein lysate.

The core nCounter technology uses unique molecular barcodes to detect nucleic acids of increasing variety. Specifically, antibodies of interest are barcoded with unique synthetic DNA oligonucleotides. Each DNA oligonucleotide is then recognized by a unique Reporter probe that contains a fluorescent barcode. The florescent probes are then imaged and counted by the nCounter Analysis System to provide a direct, digital readout of protein expression. The result is an integrated RNA:Protein workflow.

Learn more about 3D Biology™ Technology.

Product Workflow

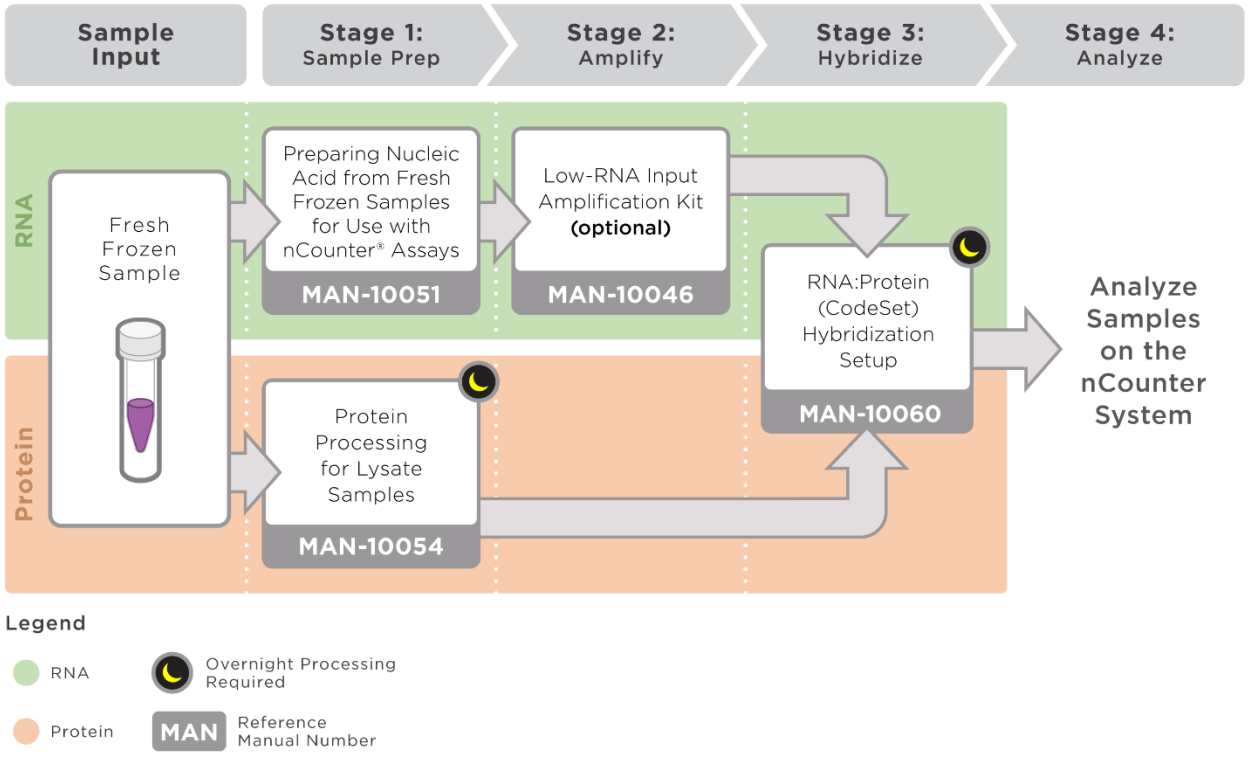

Figure 1. Workflow for Vantage 3D RNA:Protein Solid Tumor Assay for Lysate

Materials and Supporting Documents

Table 1. Workflow for Vantage 3D RNA:Protein Solid Tumor Assay for Lysate

Kit	Reagents	Storage
Vantage 3D RNA:Protein Solid Tumor Assay for Lysate Catalog #: VRPC-HSTL-12	RNA	
	Reporter CodeSet	-80°C
	Capture ProbeSet	-80°C
	Protein	
	Protein TagSet (R)	-80°C
	Antibody Mix	-80°C
	Buffer WS	4°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
Nucleic Acid Extraction	MAN-10051	Preparing Nucleic Acid from Fresh Frozen Samples for Use with nCounter Assays
Protein Preparation	MAN-10054	Protein Processing for Lysate Samples
RNA Amplification (**optional**)	MAN-10046	Low-RNA Amplification Kit
Hybridization	MAN-10060	RNA:Protein Hybridization Setup (CodeSet)