

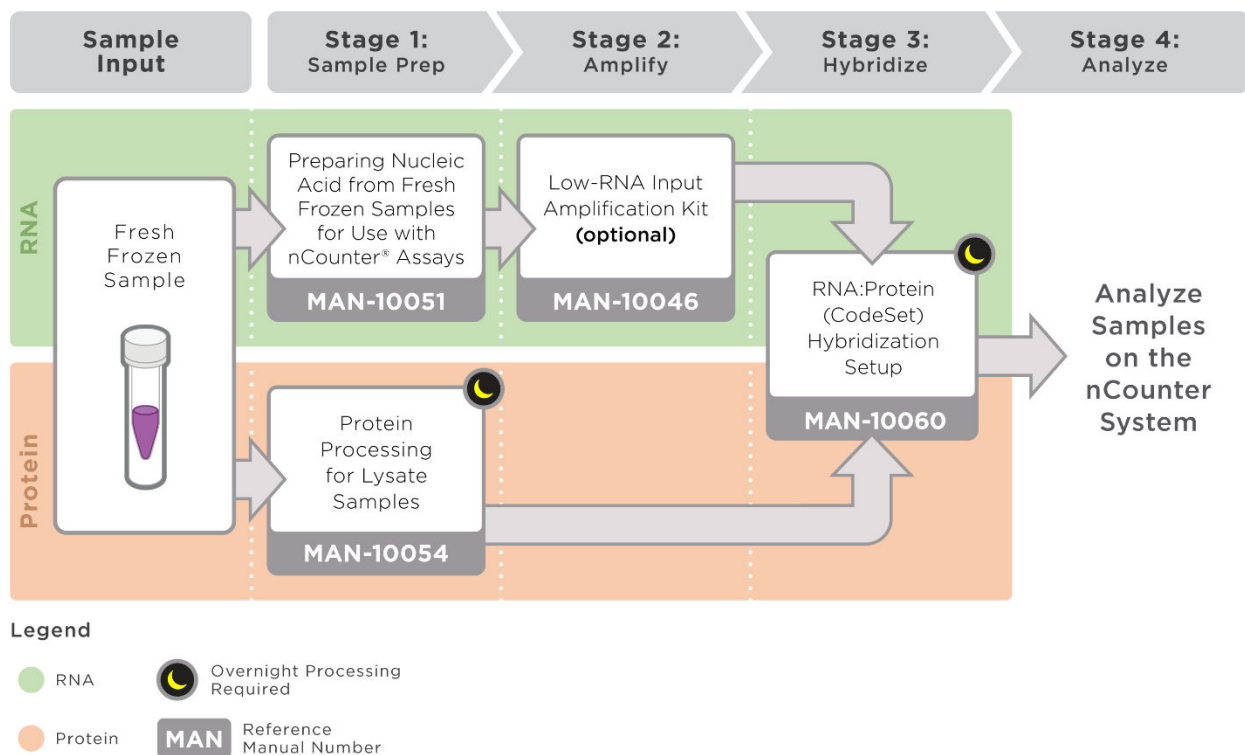
## Vantage 3D RNA:Protein Solid Tumor Assay for Lysate

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 fluorescent 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	<a href="#">MAN-10051</a>	<a href="#">Preparing Nucleic Acid from Fresh Frozen Samples for Use with nCounter Assays</a>
Protein Preparation	<a href="#">MAN-10054</a>	<a href="#">Protein Processing for Lysate Samples</a>
RNA Amplification (optional)	<a href="#">MAN-10046</a>	<a href="#">Low-RNA Amplification Kit</a>
Hybridization	<a href="#">MAN-10060</a>	<a href="#">RNA:Protein Hybridization Setup (CodeSet)</a>

### Intellectual Property Rights

This nCounter Vantage 3D RNA:Protein Solid Tumor Assay for Lysate Overview and its contents are the property of NanoString Technologies, Inc. ("NanoString"), and are intended for the use of NanoString customers solely in connection with their operation of the nCounter Analysis System. The nCounter Analysis System (including both its software and hardware components) and this User Manual and any other documentation provided to you by NanoString in connection therewith are subject to patents, copyright, trade secret rights, and other intellectual property rights owned by or licensed to NanoString. No part of the software or hardware may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into other languages without the prior written consent of NanoString. For a list of applicable patents, see [www.nanostring.com/company/patents](http://www.nanostring.com/company/patents).

### Limited License

Subject to the terms and conditions of sale of the nCounter Analysis System, NanoString grants you a limited, non-exclusive, non-transferable, non-sublicensable, research use only license to use this proprietary nSolver™ software with the nCounter Analysis System only in accordance with this manual, the manual for the nCounter Analysis System, and other written instructions provided by NanoString. Except as expressly set forth in the terms and conditions, no right or license, whether express, implied, or statutory, is granted by NanoString under any intellectual property right owned by or licensed to NanoString by virtue of the supply of this software or the proprietary nCounter Analysis System. Without limiting the foregoing, no right or license, whether express, implied, or statutory, is granted by NanoString to use the nSolver Analysis Software or nCounter Analysis System with any third-party product not supplied or licensed to you by NanoString, or recommended for use by NanoString in a manual or other written instruction provided by NanoString.