

Vantage 3D RNA:Protein Heme Assay for FFPE with Sample Prep Kit

The nCounter® Vantage 3D RNA:Protein Heme Assay for FFPE with Sample Prep Kit simplifies RNA and protein expression analysis with curated content covering 192 RNA targets (including 12 reference controls) and 42 total phospho-proteins. This highly multiplexed assay is capable of simultaneously characterizing RNA and protein with minimal FFPE sample input and integrated data analysis.

Protein detection in the Vantage 3D RNA:Protein Heme Assay utilizes antibodies specific to proteins of interest that have been labelled with unique synthetic DNA oligonucleotides, attached with a photocleavable linker. Each DNA oligonucleotide is then UV-cleaved and recognized by a unique Reporter probe that contains a fluorescent barcode.

All analytes are imaged and counted simultaneously by the nCounter Analysis System to provide a direct, digital readout of RNA and protein expression.

Learn more about [3D Biology™ Technology](#).

Product Workflow

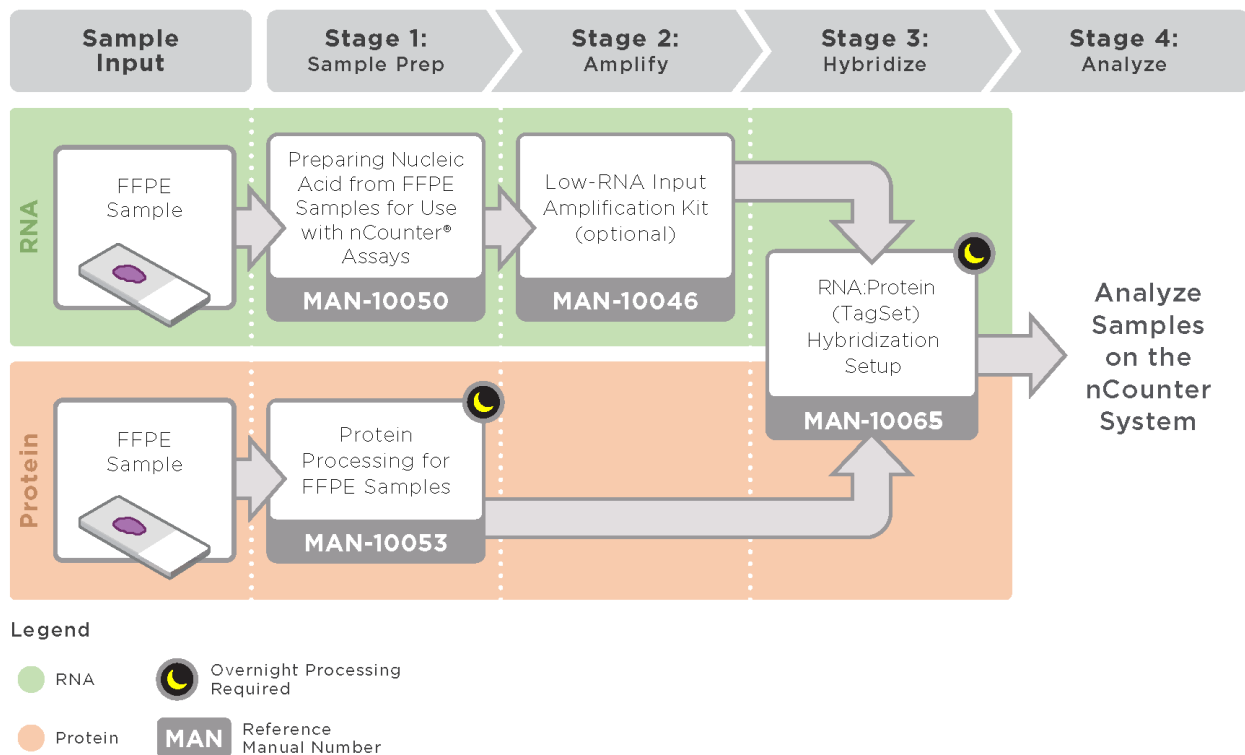


Figure 1. Workflow for the Vantage 3D RNA:Protein Heme Assay for FFPE with Sample Prep Kit

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Materials and Supporting Documents

Table 1. Materials provided in the Vantage 3DRNA:Protein Heme Assay for FFPE with Sample Prep Kit

Kit	Reagents	Storage
Vantage 3D RNA:Protein Heme Assay for FFPE with Sample Prep Kit (Vantage 3D™ RNA Heme Panel and Vantage 3D™ Protein Heme Panel for FFPE (R)) Catalog #: VRXC-HEME-12 and VPRXC-HHMF-12	RNA	
	RNA Probe A	-80°C
	RNA Probe B	-80°C
	RNA TagSet	-80°C
	Protein	
	Protein TagSet (R)	-80°C
	Antibody Mix	-80°C
	Sample Prep Kit	
	Buffer W	4°C
Buffer T	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-10050	Preparing Nucleic Acid from FFPE Samples for Use with nCounter Assays
Protein Preparation	MAN-10053	Protein Processing for FFPE Samples
Sample Amplification	MAN-10046	Low-RNA Input Amplification Kit
Hybridization	MAN-10065	RNA:Protein (TagSet) Hybridization Setup

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