

Vantage 3D RNA:Protein Solid Tumor Assay for FFPE

The nCounter® Vantage 3D RNA:Protein Solid Tumor Assay for FFPE simplifies RNA and protein expression analysis with curated content covering up to 770 RNA targets and 26 total and phospho-protein targets. This highly-multiplexed assay is capable of simultaneously characterizing RNA and protein expression from as little as two FFPE slides.

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 with a photocleavable linker. Each DNA oligonucleotide is then UV cleaved and 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

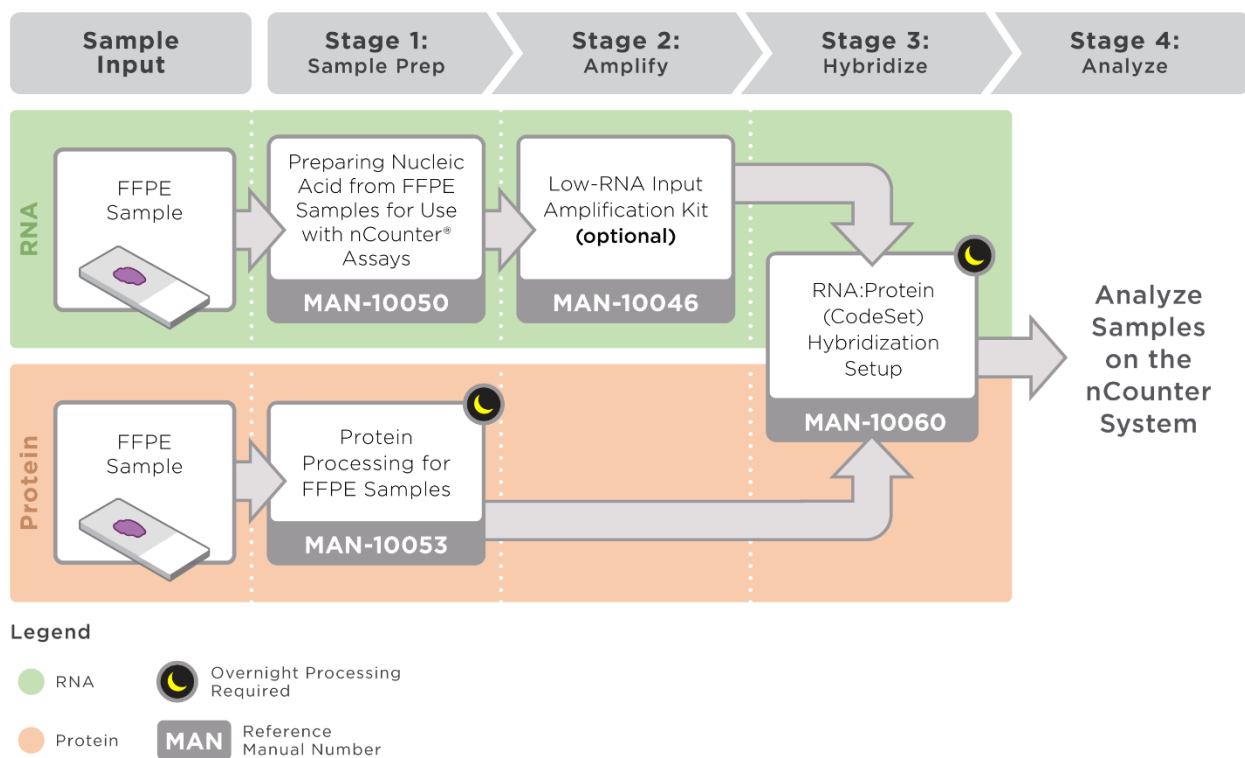


Figure 1. Workflow for Vantage 3D RNA:Protein Solid Tumor Assay for FFPE

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Materials and Supporting Documents

Table 1. Materials provided in the Vantage 3D RNA:Protein Solid Tumor Assay for FFPE Kit

| Kit | Reagents | Storage |
|---|--------------------|---------|
| Vantage 3D RNA:Protein Solid Tumor Assay for FFPE Catalog #: VRPC-SPKP-HSTF-12 | RNA | |
| | Reporter CodeSet | -80°C |
| | Capture ProbeSet | -80°C |
| | Protein | |
| | Protein TagSet (R) | -80°C |
| | Antibody Mix | -80°C |
| | 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 |
| RNA Amplification (optional) | MAN-10046 | Low-RNA Amplification Kit |
| Protein Preparation | MAN-10053 | Protein Processing for FFPE Samples |
| Hybridization | MAN-10060 | RNA:Protein Hybridization Setup (CodeSet) |

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