

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

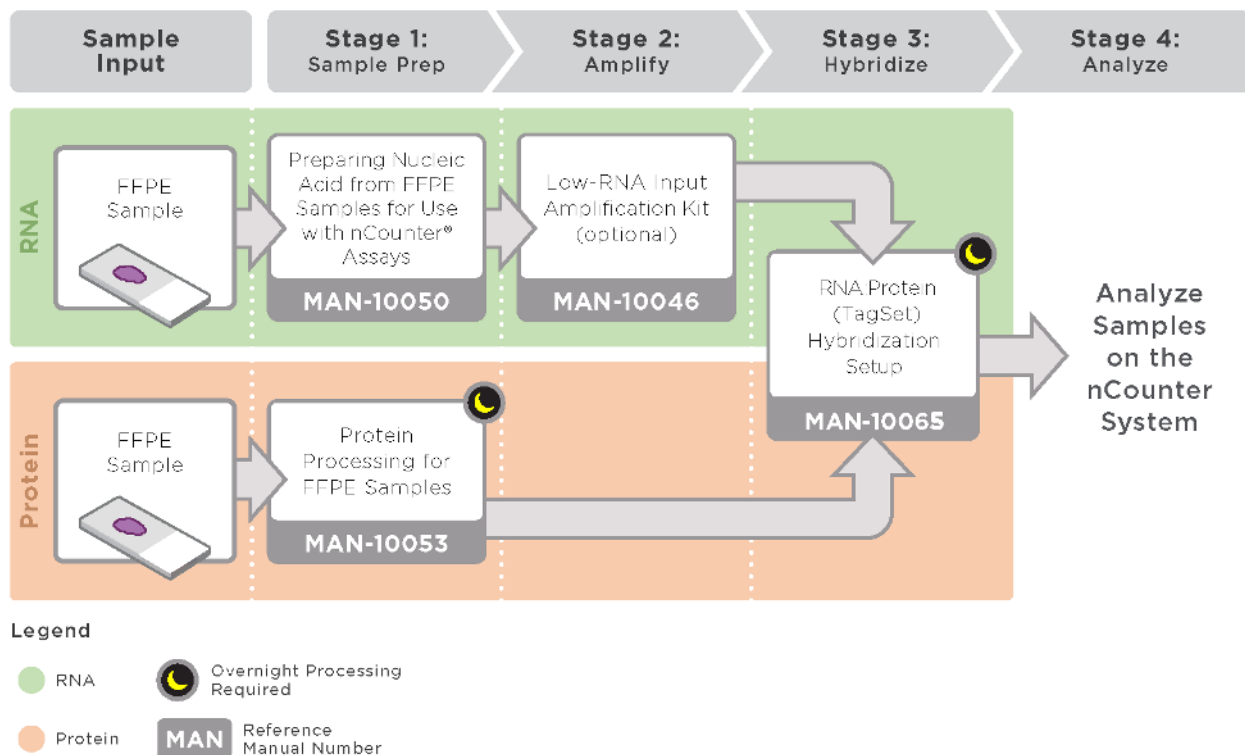


Figure 1. Workflow for the Vantage 3D RNA:Protein Heme Assay for FFPE with Sample Prep Kit

FOR RESEARCH USE ONLY. Not for use in diagnostic procedures

© 2017–2020 NanoString Technologies, Inc. All rights reserved.

NanoString, NanoString Technologies, the NanoString logo, nCounter, Vantage 3D, and 3D Biology are trademarks or registered trademarks of NanoString Technologies, Inc., in the United States and/or other countries.

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

Intellectual Property Rights

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

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.