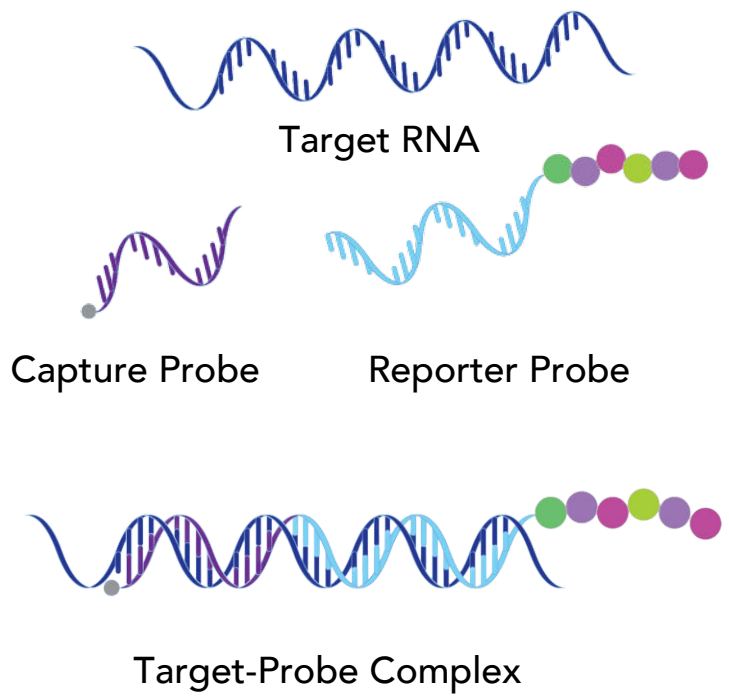


HOW NANOSTRING WORKS

1 HYBRIDIZATION

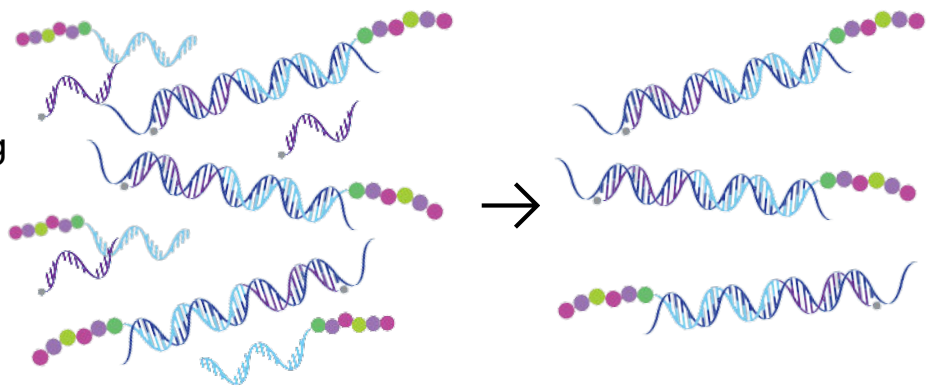
Using molecular barcode technology, RNA is directly tagged with a capture probe and reporter probe that are specific to the target of interest.

This creates a unique target-probe complex.



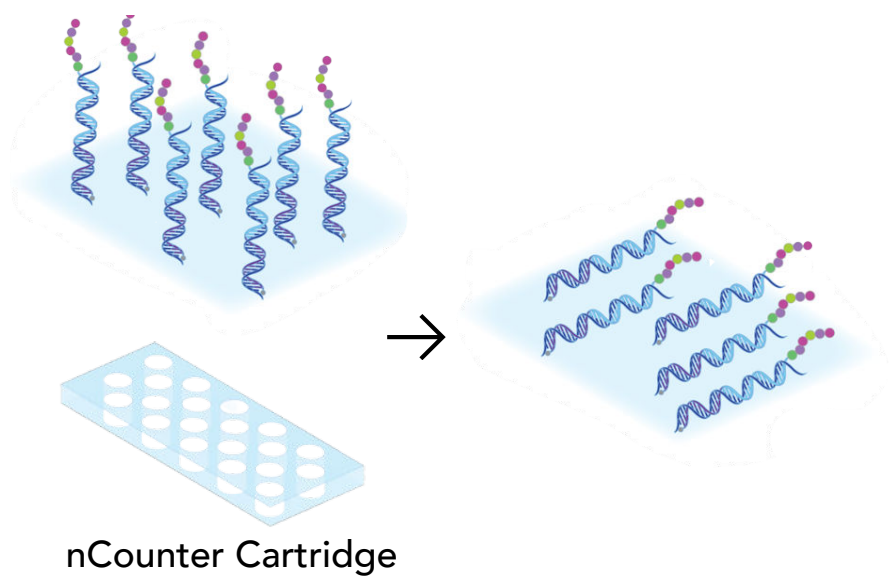
2 PURIFICATION

After hybridization, excess probes are removed, leaving only purified target-probe complexes.

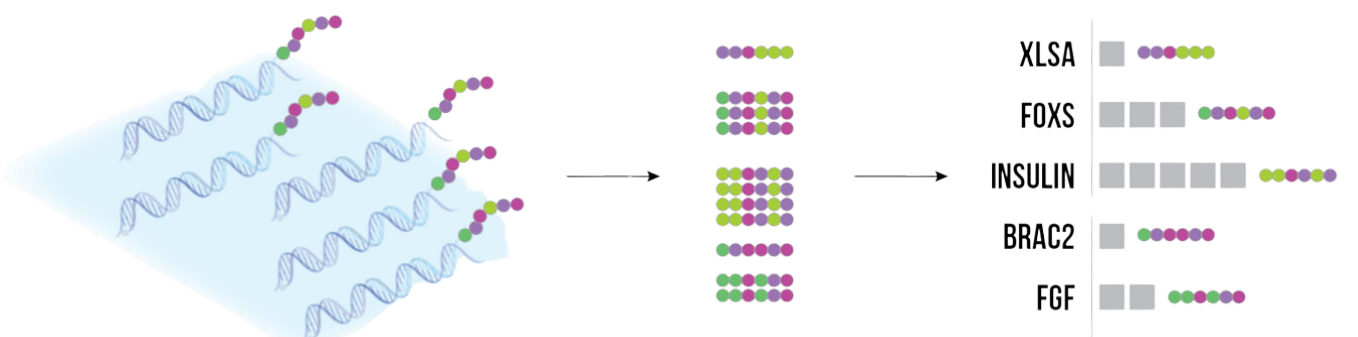


3 IMMOBILIZATION

These purified target-probe complexes are immobilized and aligned on the imaging surface (nCounter cartridge).



5 COUNTING



The sample is then scanned by an automated fluorescence microscope where labeled barcodes are directly counted and the data analyzed through an intuitive analysis software.

NEED HELP WITH YOUR GENE EXPRESSION EXPERIMENT?

Canopy Biosciences is an experienced service provider specializing in NanoString, nucleic acid extractions, sequencing, and cell line engineering. Learn more on our website or request a quote today.



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