The nCounter SPRINT Profiler is a benchtop instrument system used to analyze differential expression of genes and proteins. The product enables users to analyze tens to hundreds of targets simultaneously using single-tube multiplexing and avoid waste by eliminating RNA extraction. The system's intuitive workflow requires only 10 min of hands-on time from sample to data.

Features:
- Molecular barcoding for RNA, DNA, and protein profiling

- Up to 800 targets can be investigated simultaneously

- Small amount of starting materials. RNA: 1ng-50ng, DNA: 5ng-300ng, Protein: 250ng-2.5ug

- Process RNA extractions or crude cell lysates from as few as 2,500 cells

- Compatible with difficult sample types, including FFPE tissue

- Direct hybridization and counting of RNA molecules with sensitivity to detect small fold changes

- Generate high quality data from less sample input while simplifying workflow by eliminating the need for experimental replicates

- Digitally examine multiple pathways of basic cancer biology and pathway deregulation activity

- Streamlined data analysis using the included nSolver™ Analysis Software

UKHC Genomics Core Laboratory & MCC Oncogenomics SRF

The Genomics Core Laboratory, a College of American Pathologists accredited facility, was established in 2015 as part of the UK HealthCare Department of Pathology & Laboratory Medicine and Markey Cancer Center Oncogenomics initiative.

Location: UK Albert B. Chandler Hospital - Pavilion HA; Room HA629
800 Rose St.; Lexington KY 40536

https://ukhealthcare.uky.edu/genomics-core-laboratory

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