

NanoString Technology:

RNA Expression using CodeSets: RNA extractions may be performed at EIGC. RNA quantity and quality are determined using the Nanodrop ND-100 Spectrophotometer or M200 Infinite Pro Tecan and the Agilent Bioanalyzer. The following RNA quality standards are recommended by Nanostring: 260/280 ratio of 1.7-2.3; 260/230 ratio of 1.8-2.3; DV200 > 50%. 100-300 ng of RNA is needed per sample. RNA is hybridized to both the Reporter CodeSet and the Capture ProbeSet using the CodeSet Hybridization Setup [workflow](#). The hybridized RNA is then loaded into the NanoString FLEX Prep Station in order to load the RNA onto a sample cartridge. The cartridge is read by the NanoString FLEX Digital Analyzer using the nCounter Analysis system [workflow](#). Reporter Probe counts are tabulated into a CSV format for data analysis with nSolver Analysis Software (NanoString).