**Genomics Microarray Service**

**Genomics Microarray Sample Prep**

**Starting material (Eukaryotic):** High Quality total RNA (5.0µg – 40.0µg)   
**cDNA synthesis protocol:** Affymetrix recommends starting with a minimum of 5 µg of total RNA at a minimum concentration of 0.5 µg/µL.   
**Determining RNA Concentration:** After purification the RNA concentration is determined by absorbance at 260nm on a spectrophotometer (one absorbance unit = 40 µg/mL RNA) The A260/A280 ratio should be approximately 2.0, with ranges between 1.8 to 2.1 considered acceptable.