

## Gene Expression

### Sample Delivery Instructions

1. RNA should be at 100 ng/ $\mu$ l concentration (min. 50 ng/ $\mu$ l). Concentration, 260/280 & 260/230 values should be determined using the NanoDrop.
2. Please provide 2 aliquots:
  - a. One of 3 $\mu$ l for Tapestation analysis (in 0.2ml tube).
  - b. One of 8 $\mu$ l each (in 1.5 ml tube) for Amplification and labeling.
3. Deliver samples frozen (dry ice) to assure sample integrity.
4. An electronic sample information sheet should be filled and sent by e-mail.
5. Please give the samples a number (1, 2, etc.) written on top of the tube (same number as in the sample sheet).

### Recommendations

1. Please use column-based kit (such as Qiagen) for RNA extraction.
2. If needed, re-check the RNA concentration after the initial dilution, to ensure that the final concentration is 50-100 ng/ $\mu$ l.
3. Please perform some sort of preliminary RNA expression validation (such as RT reaction followed by Real-Time PCR for known genes that are expected to change).