**RNA, BLD, BMA, Manual Extraction Procedure Appendix A:**

**RNA QC Control Preparation**

1. **PRINCIPLE:**
   1. A low RNA control is extracted according to the procedure below and used for QC of each new lot or shipment of BCR-ABL1 Kits.
2. **REAGENTS:**
   1. Ipsogen BCR-ABL1 Mbcr Controls Kit (catalogue #670191), store at -70°C
   2. Ipsogen BCR-ABL1 mbcr Controls Kit (catalogue #670091), store at -70°C
   3. Qiagen QIAamp RNA Blood Mini Kit (catalogue #52304), store at RT
3. **CONTROLS:**
   1. Low BCR-ABL p210 Control
   2. Low BCR-ABL p190 Control
4. **PROCEDURE:**
   1. Thaw appropriate vial at room temperature.
   2. Add 0.5 ml of dilution reagent and homogenize by pipetting several times to dissolve any crystals that may be present in the tube.
   3. Centrifuge the samples at 4000g for 5 minutes.
   4. Remove the supernatant by aspiration without disrupting the pellet.
   5. Immediately continue with *RNA, BLD, BMA Manual Extraction Procedure*, step D10 using 600uL Buffer RLT and 6uL of 2-mercaptoethanol.
   6. Nanodrop the eluate.
      1. If the concentration is <100ng/ul, aliquot 16ul per tube and store at -70°C.
      2. If the concentration is >100ng/ul, dilute to 100ng/ul with RNAse free water from the QIAamp Blood Mini Kit and aliquot 16ul per tube and store at -70°C.
5. **REFERENCES:**
   1. Ipsogen BCR-ABL Mbcr Controls Handbook, 1/2013
   2. Ipsogen BCR-ABL mbcr Controls Handbook, 1/2013
   3. QIAamp RNA Blood Mini Kit Handbook, second edition, 4/2010