



## Materials and reagents – their shelf life and risk labelling

| Name | Components | Supplier / Cat. # | Room (hallway storage) | Safety considerations |
|------|------------|-------------------|------------------------|-----------------------|
|      |            |                   |                        |                       |
|      |            |                   |                        |                       |
|      |            |                   |                        |                       |
|      |            |                   |                        |                       |
|      |            |                   |                        |                       |
|      |            |                   |                        |                       |
|      |            |                   |                        |                       |
|      |            |                   |                        |                       |
|      |            |                   |                        |                       |
|      |            |                   |                        |                       |
|      |            |                   |                        |                       |
|      |            |                   |                        |                       |
|      |            |                   |                        |                       |
|      |            |                   |                        |                       |
|      |            |                   |                        |                       |
|      |            |                   |                        |                       |

### QC – Quality Control

### List of other SOPs relevant to this SOP

### Environmental conditions required

### Procedure

1. Collect samples
2. RNA purification - day 1
  - a. Remove samples from freezer and keep them on ice.
  - b. Resuspend samples in 150  $\mu$ l of cold solution 1
  - c. Immediately transfer 150  $\mu$ l of solution 2 (not cold)
  - d. Immediately transfer the 300  $\mu$ l to 1,5 ml tubes (Phase Lock Gel) containing 600  $\mu$ l phenol and 300  $\mu$ l chloroform.
    - i. The phenol/chloroform solution can be prepared before resuspension of samples. Pellet Phase Lock Gel before use.
  - e. Mix by hand
  - f. Heat solutions for 3 min at 85° C with shake.
  - g. Place tubes 5 minutes on ice.

- h. Spin for 3 minutes (max spin).
  - i. Transfer supernatant (top phase) to a new 1,5 ml eppendorf tube containing 30  $\mu$ l 3 M Na-Ac pH 4,5 and 900  $\mu$ l 96 % EtOH
    - i. When preparing the solution, use ice cold 96 % EtOH and keep the NaAc-ethanol solution on ice until use.
  - j. Store at  $-20^{\circ}$  C.
3. Day 2 - Wash and determine concentration
- a.

### Waste handling

| Chemical name | Concentration | Type of waste (C, Z...) | Remarks |
|---------------|---------------|-------------------------|---------|
|               |               |                         |         |

### Time consumption

- Total-time xx hours.
- Hands-on-time x hour.

### Scheme of development

| Date / Initials | Version No. | Description of changes   |
|-----------------|-------------|--------------------------|
|                 | 01          | The SOP has been written |
|                 |             |                          |
|                 |             |                          |
|                 |             |                          |

### Appendices