riboLASSO

Ultra specific rRNA depletion

Quick Guide

For a detailed version of this protocol, visit
www.dynamicmatrices.eu

1. **Mix** the following components in a PCR tube:

X	20 µL
B	20 µL
Total RNA (1 ng – 1 µg)	Up to 60 µL
H_2O	Fill to 100 µL

2. **Vortex** and **spin down**.

3. **Anneal** the samples in a thermocycler:
   - 95°C, 3 min
   - Cool from 80°C to 20°C over 20 min
   - Hold at 20°C until centrifugation

4. **Centrifuge** at ≥10,000 x G for 30 min.*

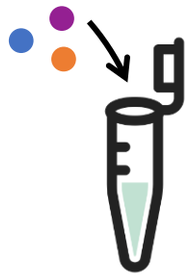
5. **Obtain** up to 70 µL of the **supernatant** (rRNA-depleted library).

The final rRNA-depleted library contains 5 mM Tris, 1 mM EDTA, and 150 mM NaCl. If necessary, remove leftover DNA probes with DNAse I; isolate purified RNA with a silica spin tube.

* You may use Dynamic Matrices Microcentrifuge Inserts (Cat. no. MI08)

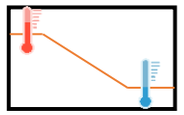
LASSO workflow

1. **Mix**

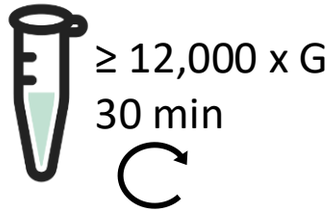


2. **Vortex**

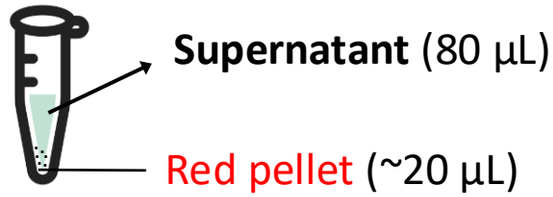
3. **Anneal**



4. **Spin**



5. **Obtain supernatant**



Annealing protocol