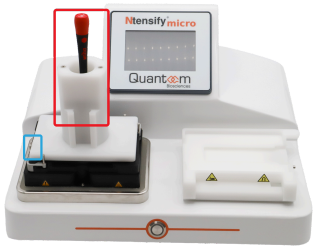
Set-up & beads conditioning

Ntensify® micro

⚠ When using the Ntensify® micro, order the following disposable: 50 mL centrifuge tube DNase/RNase free.

Getting started

1. Unlock the metallic latch (**in blue**) **before** screwing in the accessories.
2. Attach the 20 mL holder with the provided screwdriver (**in red**).

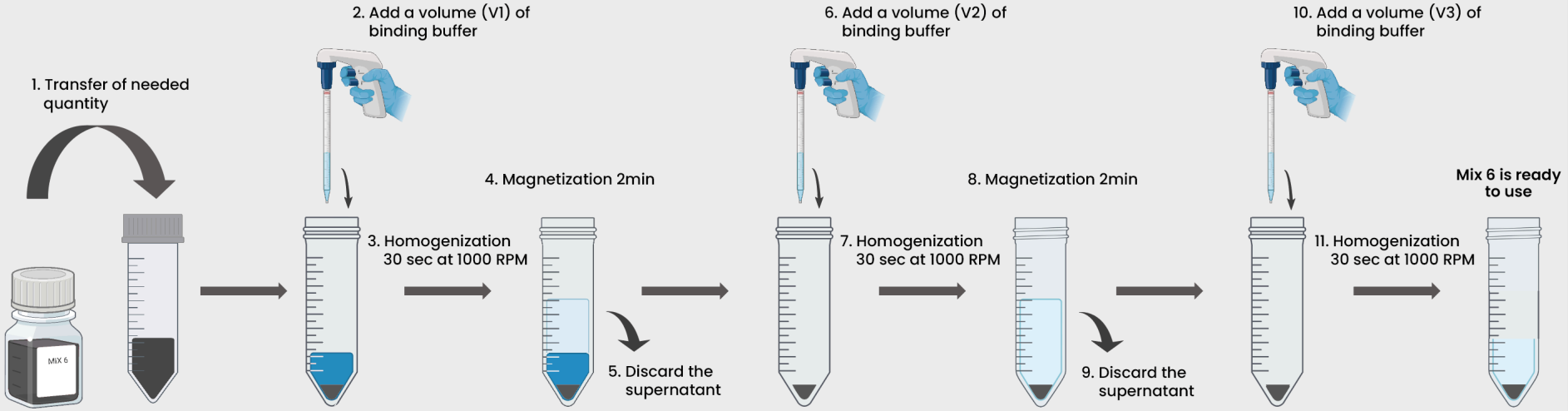


Run preparation

- Thaw all mixes at room temperature.
- Keep Mix 2 and Mix 4 in the freezer until use.
- Prepare the linearized DNA at 0.5 mg/mL for mRNA
- Prepare the necessary volume of Ethanol 80%.

Beads conditioning

- Must be performed before each production.
- Conditioned beads must be used within 24h after preparation.



RECOMMENDATIONS

Follow Good Laboratory Practices at every step of the run.
The software guides you through all the production steps.

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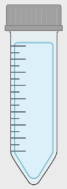
Overview of the process

Ntensify® micro

The buzzer rings after incubation, centrifugation and at the end of the run; respect the timing given by the software.

USP

I. Pre-mix heating

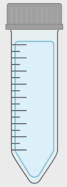


Add in the following order:

1. Mix 3
2. Selected uridines (rATP, rUTP, rGTP, rCTP)
3. Cap Analog
4. Add mix 2 to the previous premix volume.

Incubation · min. 15 min

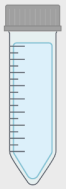
II. IVT



5. Add linearized DNA

Min. 75 min

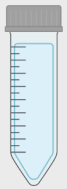
III. DNA removal



6. Add mix4

Min. 30 min

IV. Quenching



7. Add mix 5

Min. 15 min

DSP

REPEAT 2 TIMES

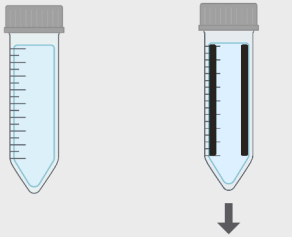
V. Binding

8. Add conditioned beads → 9. Add Ethanol 100% → Magnetic separation



VI. Washing

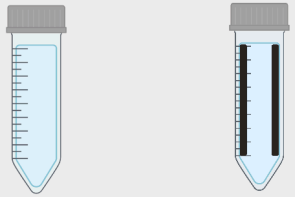
10. Add Ethanol 80% → Magnetic separation



Wash 4 times

VII. Elution

11. Add RNAse free water → Magnetic separation → Collect the purified RNA



Elute 2 times

RECOMMENDATIONS

During magnetization, the tube can be tilted to facilitate supernatant pipetting.

The average duration of a run on the Ntensify® micro in the 20 mL configuration is about 4 hours (including preparation).

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