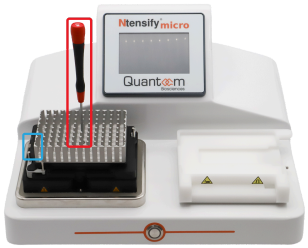
Set-up & beads conditioning

Ntensify® micro

⚠ When using the Ntensify® micro, order the following disposable: 96-well plate from ThermoFisher (260252)

Getting started

1. Unlock the metallic latch (**in blue**) **before** screwing in the accessories.
2. Attach the 96-well plate holder with the provided screwdriver (**in red**).

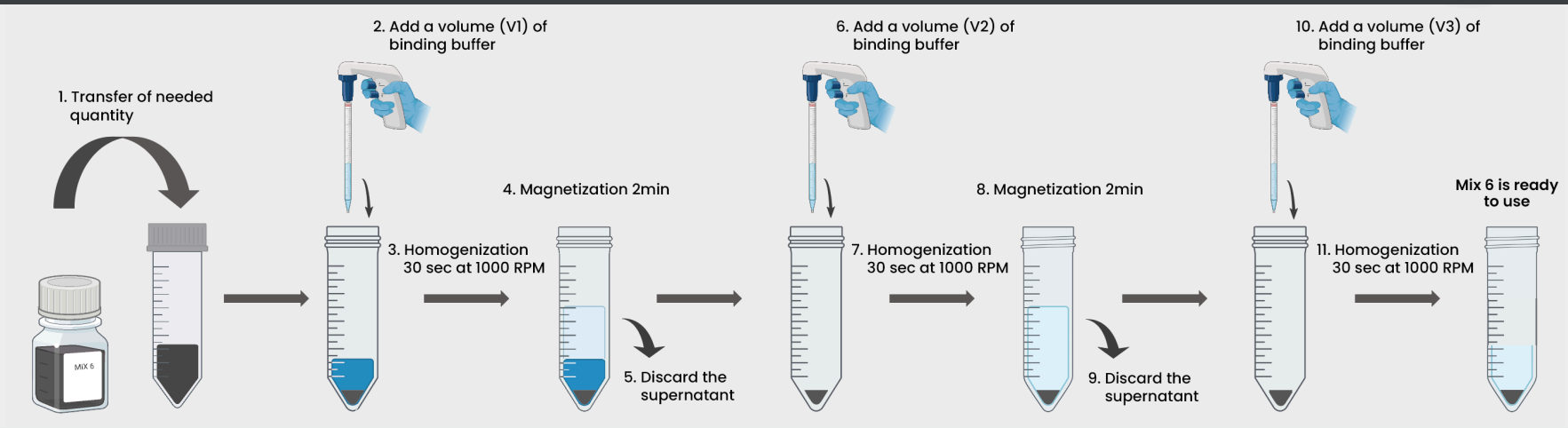


Run preparation

- 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

- Depending on the number of wells, the Ntensify® micro calculates the appropriate volume of mix to prepare.
- From 1 to 8 wells, the beads conditioning is done directly in each well.
  From 9 wells or more, the beads conditioning is prepared in a 50 mL tube.



RECOMMENDATIONS

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

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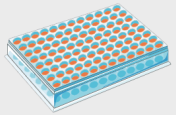
Overview of the process

Ntensify® micro

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

USP

I. IVT

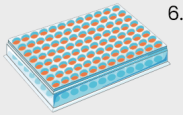


Per well, add in the following order:

1. Linearized DNA
2. Nuclease free water
3. Mix 3
4. Selected nucleotides (rATP, rUTP, rGTP, rCTP)
5. Cap Analog
6. Mix 2

Incubation · min. 75 min

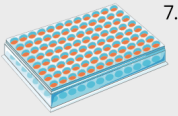
II. DNA removal



6. Add mix 4

Min. 30 min

III. Quenching



7. Add mix 5

Min. 15 min

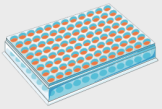
Respect each required centrifugation step as indicated by the Ntensify® micro.

Respect the appropriate cooling time before moving to the DSP section.

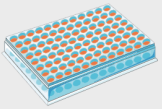
DSP

IV. Binding

9. Add conditioned beads



10. Add Ethanol 100%



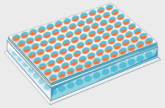
Magnetic separation



Removal of supernatant

V. Washing

11. Add Ethanol 80%



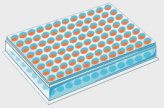
Magnetic separation



Removal of supernatant

VI. Elution

12. Add RNAse free water



Magnetic separation



Collect the purified RNA

Wash 4 times

Elute 2 times

RECOMMENDATIONS

In the magnetic position, the plate can be tilted to facilitate supernatant pipetting.
A run in the 96-well reaction format takes about 5 hours, preparation included.

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