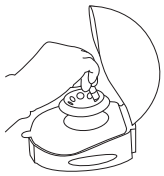
HELIX | ELITE™ MOLECULAR STANDARDS Synthetic Nucleic Acids

ILLUSTRATED INSTRUCTIONS

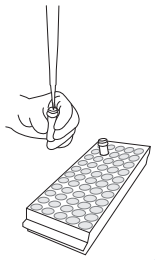
1 Rehydration



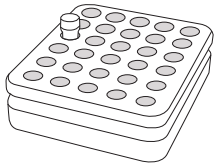
Open the foil pouch and then centrifuge the synthetic **Helix Elite™ Molecular Standard** tube before opening the tube to avoid loss of the dried material.

2

Add 55 µl **Helix Elite™** molecular standard water to the **Helix Elite™ Molecular Standard** tube.



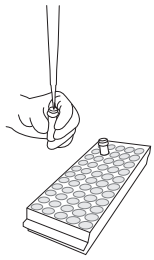
3



Incubate the **Helix Elite™ Molecular Standard** tube at 2°C-8°C for 15 minutes to allow for complete rehydration.

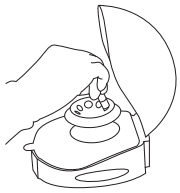
4

Mix the hydrated **Helix Elite™ Molecular Standard** by gently pipetting up and down several times.



Do not vortex as this may damage the nucleic acids.

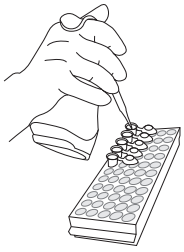
5



Briefly centrifuge to ensure all liquid is in the bottom of the tube.

6

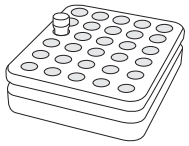
Aliquot 10 µl of the rehydrated synthetic **Helix Elite™ Molecular Standard** into 5 new, labeled microcentrifuge tubes.



Store aliquots at or below -20°C. These tubes are concentrated stock tubes that must be diluted further for use in molecular assays.

Dilution and Use

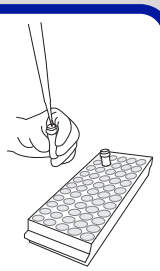
1



Obtain an aliquot of the rehydrated **Helix Elite™ Molecular Standard**. If needed, thaw the aliquot at 2°C-8°C for 15 minutes and centrifuge briefly.

2

Add 90 µl **Helix Elite™** molecular standard water into the tube containing 10 µl of the rehydrated **Helix Elite™ Molecular Standard**. Gently mix by pipetting up and down several times.



3

Use 5 µl of the diluted **Helix Elite™ Molecular Standard** for each positive control reaction and run according to the protocol appropriate for the molecular assay being used.

4

The remaining 95 µl of diluted **Helix Elite™ Molecular Standard** should be further aliquoted into single-use volumes to avoid freeze-thaw of the material. Store all aliquots of diluted **Helix Elite™ Molecular Standard** tubes at or below -20°C. These tubes are fully diluted and ready to use in molecular assays.

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