




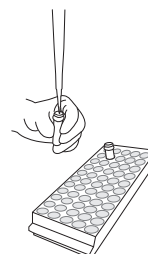
ILLUSTRATED INSTRUCTIONS

1 **Rehydration**



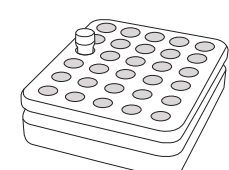
Open the foil pouch and then centrifuge the synthetic **Helix Elite™ Molecular Standard** tube before opening the tube to avoid loss of the dried material.

2



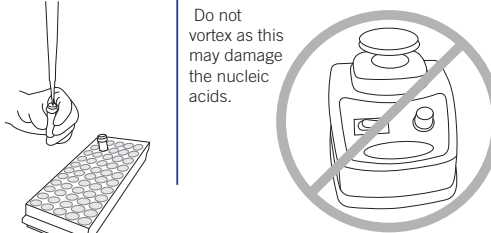
Add 55 μ l **Helix Elite™** molecular standard water to the **Helix Elite™ Molecular Standard** tube.

3



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

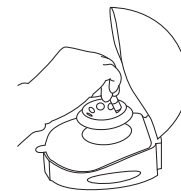
4



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

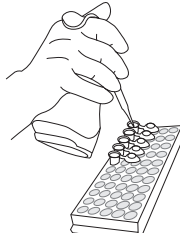
Do not vortex as this may damage the nucleic acids.

5



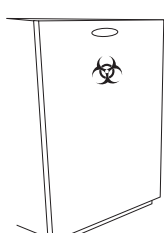
Briefly centrifuge to ensure all liquid is in the bottom of the tube.

6

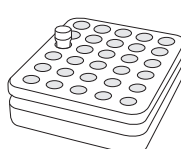


Aliquot 10 μ l of the rehydrated synthetic **Helix Elite™ Molecular Standard** into 5 new, labeled microcentrifuge tubes.

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

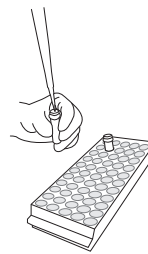


1 **Dilution and Use**



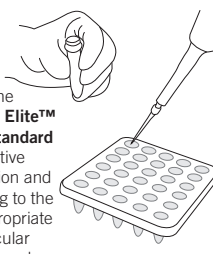
Obtain an aliquot of the rehydrated **Helix Elite™ Molecular Standard**. If needed, thaw the aliquot at 2°C-8°C for 15 minutes and centrifuge briefly.

2



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

3



Use 5 μ l 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 μ l 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.