

Appendix 3: Preparation of the Internal Amplification Control (IAC) Target Working Solution (1 of 1).

Hydrate the IAC Target ultramer (HMulti130-synIAC) and dilute in TE pH 7.5 dilution buffer according to instructions below to obtain the working concentration of 1E7 copies/ μ L. Store dilutions and working solution at -20 degrees C.

HMulti130-synIAC IAC Target: Hydration and Dilution Procedure	Concentration (copies/μL)
Centrifuge the lyophilized ultramer (4 nmoles) prior to opening to ensure the contents are in the bottom of the tube. Hydrate in original tube with 602 μ L TE dilution buffer and vortex briefly. Centrifuge again to bring liquid contents to the bottom of the tube.	4E12
Mix 10 μ L of the 4E12 stock + 990 μ L TE in a new tube. Centrifuge to bring liquid contents to the bottom of the tube.	4E10
Mix 10 μ L of the 4E10 dilution + 990 μ L TE. Centrifuge to bring liquid contents to the bottom of the tube.	4E8
Mix 25 μ L of the 4E8 dilution + 975 μ L TE. Centrifuge to bring liquid contents to the bottom of the tube.	1E7