Induced Pluripotent Stem Cell sorting, culture and differentiation to desired cell lineage

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EVOS[™] core. Image quantification was completed using the Celleste[™] Image Analysis Software.

Figure 3: Samples were taken prior to sorting and immediately after sorting, then stained with PI and Hoechst, per the Ready Flow protocols, to assess purity and viability.

- Plots A E contain data from the presort sample.
- Plots F- J comprises data the post sort sample.
- Plots A & F display the scatter gate around the iPSC population.
- Plots B & G use FSC H vs. FSC W to identify the Singlet population of the iPSC gate.
- Plots C & H are daughter plots of the Singlet gate showing Hoechst staining to identify nucleated cells.
- Plots D & I, gated on Hoechst positive cells, show pre and post purity of 88% & 97% (ALP+), respectively
- Plots E & J, the PI- ALP+ gate in the ALP vs PI evaluate viability of samples prior to and after sorting as 94.5% & 99.3% respectively.

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