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January 30, 2014

*Journal of Visualized Experiments* (JoVE)

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To the JoVE Editorial Board:

Induced pluripotent stem cells (iPSC) hold tremendous promise for use in regenerative medicine, disease modeling, and gene therapy applications. However, the reprogramming process is still inefficient, and robust protocols are needed-- especially when working with precious patient samples. Here, we describe our protocol for efficient iPSC generation in a manuscript entitled **“Efficient iPS Cell Generation from Blood Using Episomes and HDAC Inhibitors.”** The advantages of our protocol include: (1) the use of a minimal amount of peripheral blood; (2) non-integrating reprogramming vectors; (3) a cost-effective method for generating vector-free iPSCs; (4) a single transfection; and (5) the use of small molecules to facilitate epigenetic reprogramming. We have used this protocol successfully to efficiently generate iPSC for disease modeling experiments from individuals as old as 87 years of age. We believe that sharing our protocol for iPSC generation using the JoVE format will be very useful for the scientific community.

**Author Contributions:**

* Hubbard, Jesse J: conception and design of protocol, performed experiments, wrote and edited the manuscript;
* Sullivan, Spencer K: conception and design of protocol, editing of manuscript;
* Mills, Jason A: substantial contribution to conception and design of protocol;
* Hayes, Brian: substantial contribution to conception and design of protocol, performed experiments, editing of manuscript;
* Torok-Storb, Beverly J: writing and editing of manuscript, provided research support;
* Ramakrishnan, Aravind: conception and design of protocol, performed experiments, edited manuscript and provided research support.

**JoVE Editor:** Singh, Nandita

**Requested Peer Reviewers**

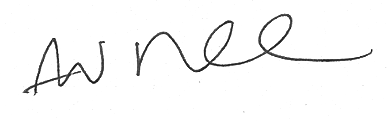
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Sincerely,



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