



Dec 04, 2024

Hi-C protocol

DOI

dx.doi.org/10.17504/protocols.io.14egn924yl5d/v1

Renhe Luo¹, Michael Beer², Danwei Huangfu¹

¹Sloan Kettering Institute; ²Johns Hopkins University

IGVF



Michael Beer

Johns Hopkins University

Create & collaborate more with a free account

Edit and publish protocols, collaborate in communities, share insights through comments, and track progress with run records.

Create free account

OPEN  ACCESS



DOI: <https://dx.doi.org/10.17504/protocols.io.14egn924yl5d/v1>

Protocol Citation: Renhe Luo, Michael Beer, Danwei Huangfu 2024. Hi-C protocol. **protocols.io**
<https://dx.doi.org/10.17504/protocols.io.14egn924yl5d/v1>

License: This is an open access protocol distributed under the terms of the **Creative Commons Attribution License**, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited



Protocol status: Working

We use this protocol and it's working

Created: December 04, 2024

Last Modified: December 04, 2024

Protocol Integer ID: 113703

Keywords: esc de differentiation time course, esc, protocol, de differentiation

Funders Acknowledgements:

NHGRI

Grant ID: U01HG012051

Abstract

Hi-C protocol for ESC DE differentiation time course.

Troubleshooting



Hi-C protocol

- 1 2 million cells were collected and fixed with 1% formaldehyde.
- 2 The subsequent steps of Hi-C were then performed using the Arima-HiC kit (Arima; A510008) while libraries for sequencing were prepared with the KAPA Hyper Prep Kit (KAPA; KK8502) following the manufacturers' guidelines.
- 3 Samples were pooled and submitted to MSKCC Integrated Genomics Operation core for quality control and sequencing on Illumina HiSeq 4000 platform.