

Sep 03, 2019 Version 1

Nextera XT at 0.2X On the Mantis V.1

DOI

dx.doi.org/10.17504/protocols.io.63rhgm6

ZengU19 BRAIN Grant¹

¹Allen Institute

BICCN / BICAN

Allen Institute for Brain S...



Dillan Brown

OPEN  ACCESS



DOI: dx.doi.org/10.17504/protocols.io.63rhgm6

Protocol Citation: ZengU19 BRAIN Grant 2019. Nextera XT at 0.2X On the Mantis. **protocols.io**
<https://dx.doi.org/10.17504/protocols.io.63rhgm6>

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: September 03, 2019

Last Modified: November 19, 2020

Protocol Integer ID: 27473

Keywords: Nextera XT, Nextera, Formulatrix Mantis, Mantis

Abstract

Protocol to generate Nextera libraries using 0.2x reagents in a 96-well PCR plate using the Formulatrix Mantis instrument.

Attachments



Nextera XT SOP.docx

456KB

Materials

- 1.1.** Associated Library paper work
- 1.2.** 96-well plate with normalized cDNA at 50 pg/μl (Stored at 4°C)
- 1.3.** Library plate labels
- 1.4.** 5x Eppendorf twin.tec® 96-well PCR Plates (VWR 47744-106)
- 1.5.** 4x Formulatrix molecular grade HV chips for Mantis instrument (MCHSVM96)
 - 1. Filtered pipette tips (GP-L200F, GP-L1000F)
- 1.7.** Nextera XT DNA Sample Preparation Kit for 96 Samples (Illumina FC-131-1096)
 - 1.7.1.** Tagment DNA Buffer (TD) (15027866)
 - 1.7.2.** Amplicon Tagmentation Mix (ATM) (15031561)
 - 1.7.3.** Nextera PCR Master Mix (NPM) (15027920)
 - 1.7.4.** Neutralize Tagment Buffer (NT) (15031559)
- 1.8.** Microseal 'B' Adhesive seal (BioRad MSB1001)
- 1.9.** VWR Aluminum Foil seals for PCR, Sterile (VWR 60941-076)
- 1.10.** Index primers combined at 2.5 μM each in 96 well plate format.
- 1.11.** Small Kimwipes (VWR 21905-026)

