Nextera XT at 0.2X On the Mantis V.1

ZengU19 BRAIN Grant

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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

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PROTOCOL CITATION
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KEYWORDS
Nextera XT, Nextera, Formulatrix Mantis, Mantis

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OWNERHIP HISTORY
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Nov 19, 2020  Dillan Brown
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27473
MATERIALS TEXT

1.1. Associated Library paper work
1.2. 96-well plate with normalized cDNA at 50 pg/µl (Stored at 4ºC)
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)
1.6. 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)