

## Illumina Nextera Rapid Capture Exome DNA

## **Description and Workflow**

The automated Nextera Rapid Capture protocol is intended to be completed over 2 days by performing library preparation, first hybridization, first capture and second hybridization setup on day 1, final capture, PCR enrichment and final clean-up on day 2.

Genomic DNA
Tagmentation
Setup \*

Tagmentation
DNA Clean-Up

Tagmented DNA
Amplification
Setup\*

Amplified

DNA Clean-Up

Quantification\*\*
and Pooling

First
Hybridization
Setup\*

Hybridized
Probes Capture

Second
Hybridization
Setup\*

Hybridized Probes Capture

Captured Library
Clean-Up

Enriched Library

Amplification

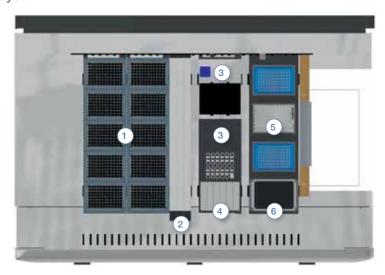
Setup \*

Amplified Library
Clean-Up

\* Off line incubation on Thermal Cycler. Optional on line incubation with ODTC

\*\* Quantification is performed off line on 3rd party devices

## **Deck Layout**



1 Tips

2 DNA Samples

(3) 4°C Position

4 Reagents

(5) Magnet

(6) Hamilton Heater Shaker

By using to Hamilton technology and the expertise of their support team NGS libraries can be prepared in a reliable and reproducible way. This allows us to be more committed on patient's health.

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## **Recommended Platforms**

Platform	Pipetting Channels	96 MPH	Unattended batch size	ODTC *
STARIet	4	No	24 samples	No
STARIet	8	No	48 samples	No
STAR	8	Yes	96 samples	Yes



