

Fluidigm® Access Array™ Oncogene Target-Specific Panels

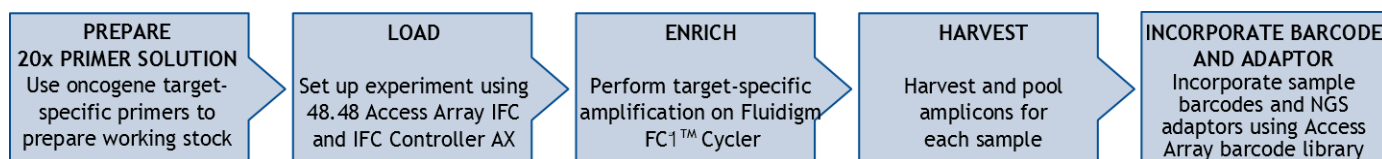
20X PRIMER SOLUTION PREPARATION

PRODUCT INFORMATION

Access Array Oncogene Target-Specific Panels include validated assays to amplify the coding regions for five genes. Each plate allows amplification for one gene and fits one Access Array IFC. The complete list of primers is available via product ordering.

Part Name	Part Number	Gene	Number of 96-well plates	Volume per well (µL)	Storage temperature (°C)
BRCA1, BRCA2, TP53 Target-Specific Panel	100-5451	BRCA1, BRCA2 and TP53	3	25	-20
EGFR, MET Target-Specific Panel	100-6060	EGFR and MET	2	25	-20
BRCA1 Target-Specific Primers	100-5495	BRCA1	1	25	-20
BRCA2 Target-Specific Primers	100-5496	BRCA2	1	25	-20
TP53 Target-Specific Primers	100-5499	TP53	1	25	-20
EGFR Target-Specific Primers	100-5497	EGFR	1	25	-20
MET Target-Specific Primers	100-5498	MET	1	25	-20

CANCER PANEL WORKFLOW



PREPARING 20X PRIMER SOLUTIONS

1. Retrieve the stock plate stored at -20° C.
2. Allow the primer plate to equilibrate to room temperature.
3. Spin the plate at 3000 xg for 3 minutes.
4. Remove and seal the plate with a new MicroAmp™ clear adhesive film (Life Technologies, PN 4306311).
5. Vortex the plate thoroughly for 30 seconds.
6. Spin the plate at 3000 xg for 3 minutes.



NOTE: The original plate seal is for one-time use only.

7. In a DNA-free hood, prepare the 20X primer solutions as shown in the table below. The table shows primer dilution for one well of the Oncogene Target-Specific Plate. An 8-channel pipette is recommended to work from the stock plate to the 20X primer plate. The 20X primer solution will be loaded into the inlets of a 48.48 Access Array™ IFC.

Component	Volume (µL)
Oncogene Target-Specific Primers	10.00
20X Access Array Loading Reagent (Fluidigm, PN 100-0883)	1.25
DNA Suspension Buffer	13.75
Total Volume	25.00

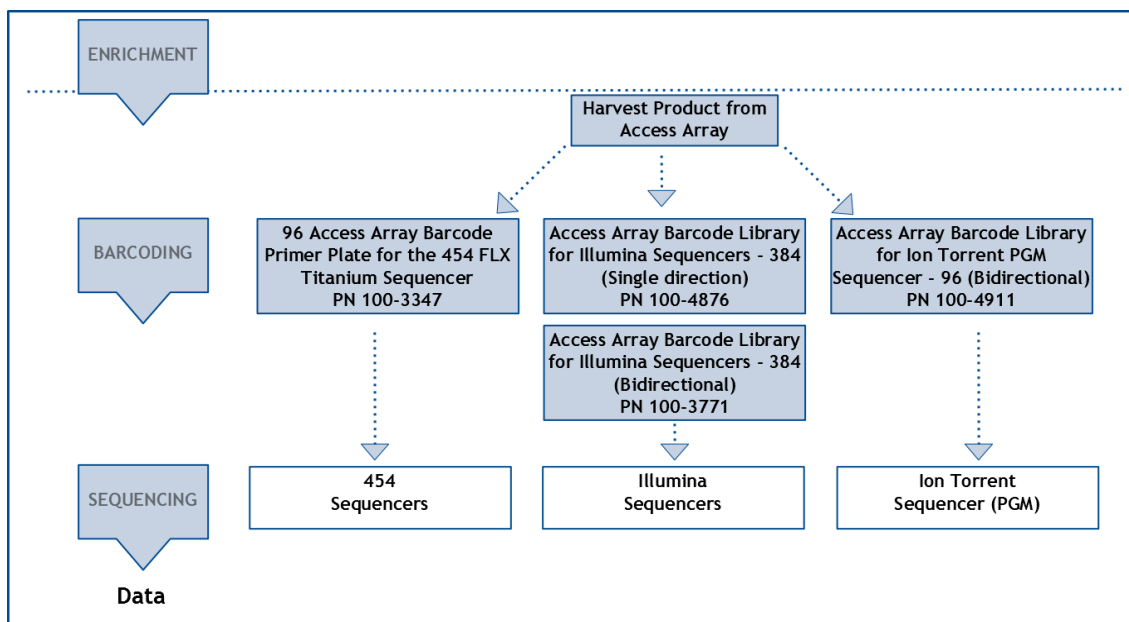


NOTE: The 20X target-specific primer solution prepared in the table above is enough for five Access Array IFC amplifications, with a 25% overage. The total volume of primers in the stock plate is enough for two rounds of dilutions and ten Access Array IFC amplifications.

8. Seal the plate containing the 20X target-specific primer solution and the stock plate with a new MicroAmp™ clear adhesive film.
9. Vortex the 20X target-specific primer plate for 30 seconds and spin it at 3000 xg for 3 minutes.
10. Proceed to run the 48.48 Access Array IFC.
11. Store all primer plates at -20° C.

SELECTING THE BARCODE LIBRARY

To barcode samples for different sequencers, select the appropriate Access Array barcode library using the information below.



Please refer to the appropriate Access Array System User Guide for sample requirements and sequencer-specific instructions.

TECHNICAL SUPPORT

PHONE

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