

Oncomine™ BRCA Research Assay

Catalog Number A32840

Pub. No. MAN0015994 Rev. B.0

Note: For safety and biohazard guidelines, see the “Safety” appendix in the *Oncomine™ BRCA Research Assay User Guide* (Pub. No. MAN0014634). Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves.

Product description

The Oncomine™ BRCA Research Assay (Cat. No. A32840) provides reagents for the manual preparation from genomic DNA of up to 24 Oncomine™ BRCA Research Assay sample libraries targeting the *BRCA1* and *BRCA2* genes. Use of Ion Xpress™ Barcode Adaptors in library preparation enables you to combine barcoded libraries in templating reactions and sequencing runs. Up to 32 germline libraries, or up to 8 somatic libraries, can be combined and sequenced on a single Ion 318™ chip, and up to 32 germline or somatic libraries can be combined and sequenced on an Ion 530™ chip. The protocol requires 10 ng of DNA isolated from unfixed or formalin-fixed paraffin-embedded (FFPE) tissue per target amplification reaction (20 ng total).

Kit contents and storage

The Oncomine™ BRCA Research Assay (Cat. No. A32840) includes the following components:

Component	Amount	Storage
Oncomine™ BRCA Research Assay Manual Library Preparation, 5X concentration (Part No. A32842)		
Oncomine™ BRCA Pool 1 (blue cap)	48 µL	−30°C to −10°C
Oncomine™ BRCA Pool 2 (red cap)	48 µL	
Ion AmpliSeq™ Library Kit Plus (Part. No. 4488990)		
5X Ion AmpliSeq™ HiFi Mix (red cap)	120 µL	−30°C to −10°C
FuPa Reagent (brown cap)	48 µL	
Switch Solution (yellow cap)	96 µL	
DNA Ligase (blue cap)	48 µL	
25X Library Amp Primers (pink cap)	48 µL	
1X Library Amp Mix (black cap)	1.2 mL	
Low TE (clear cap)	1 each	15°C to 30°C ^[1]

^[1] Can be stored at -30°C to -10°C.

Precautions

Handle biological samples and all other materials according to local laboratory guidelines and regulations. Avoid cross-contamination of samples and reagents to ensure quality results.

If equipment or reagents are used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired. Refer to the expiration date on the package label. Do not use kits after the expiration date.

IMPORTANT! Do not substitute components in this kit with components from other Ion Torrent™ library preparation kits. This protocol has been verified using these specific materials. Substitution may adversely affect system performance.

Customer and technical support

Visit thermofisher.com/support for the latest in services and support, including:

- Worldwide contact telephone numbers
- Product support, including:
 - Product FAQs
 - Software, patches, and updates
 - Training for many applications and instruments
- Order and web support
- Product documentation, including:
 - User guides, manuals, and protocols
 - Certificates of Analysis
 - Safety Data Sheets (SDSs; also known as MSDSs)

Note: For SDSs for reagents and chemicals from other manufacturers, contact the manufacturer.

Limited product warranty

Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies' General Terms and Conditions of Sale found on Life Technologies' website at www.thermofisher.com/us/en/home/global/terms-and-conditions.html. If you have any questions, please contact Life Technologies at www.thermofisher.com/support.



Manufacturer: Multiple Life Technologies Corporation manufacturing sites are responsible for manufacturing the products associated with the workflow covered in this guide.

Corporate entity: Life Technologies Corporation | Carlsbad, CA 92008 USA | Toll Free in USA 1 800 955 6288

The information in this guide is subject to change without notice.

DISCLAIMER: TO THE EXTENT ALLOWED BY LAW, LIFE TECHNOLOGIES AND/OR ITS AFFILIATE(S) WILL NOT BE LIABLE FOR SPECIAL, INCIDENTAL, INDIRECT, PUNITIVE, MULTIPLE, OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THIS DOCUMENT, INCLUDING YOUR USE OF IT.

Revision history: Pub. No. MAN0015994

Revision	Date	Description
B.0	8 June 2017	Reagent volumes in the Ion AmpliSeq™ Library Kit Plus updated.
A.0	11 October 2016	New product information sheet for the OncoPrint™ BRCA Research Assay.

Important Licensing Information: This product may be covered by one or more Limited Use Label Licenses. By use of this product, you accept the terms and conditions of all applicable Limited Use Label Licenses.

©2017 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified.