



# OptoSeq<sup>®</sup> Barcoded BCR Kit

## PRODUCT INSERT

### Purpose

The OptoSeq<sup>®</sup> Barcoded BCR Kit (750-01005) consists of all reagents required to process up to 1,152 bead exports into one 96-well PCR plate on Beacon<sup>®</sup> optofluidic systems. This kit is compatible when running the Opto<sup>®</sup> B Discovery workflow with OptoSeq Barcoded BCR Unload (mouse only). The Extended OptoSeq<sup>®</sup> BCR Bead Unload Kit (750-08097) supports the OptoSeq Barcoded BCR Kit when processing up to two additional export plates.

### Kit Contents

**Table 1** – Box 1 (750-01006) components to be stored at 4°C

Component	Unit Quantity	Volume/ Unit	Uses/ Unit	Storage Conditions	Part Number
Barcoded BCR Beads	1	210 µL	96 wells	4°C	750-01006
Buffer P+	1	110 mL			
Buffer S	1	20 mL			
Wetting Additive <sup>a</sup>	2	1.5 mL			

a. This item is also part of the Extended OptoSeq BCR Bead Unload Kit (750-08097) and the Wetting Additive Kit (750-08091).

**Table 2** – Box 2 (750-01007) components to be stored at -20°C

Component	Unit Quantity	Volume/ Unit	Uses/Unit	Storage Conditions	Part Number
Loading Reagent <sup>a</sup>	1	1 mL	96 wells	-20°C	750-01007
PCR Buffer TX <sup>b</sup>	2	2 mL			
Buffer R (5X)	1	10 mL			
Cell Lysis Buffer	1	60 µL			
Additive PG	1	20 µL			
PCR Enzyme T	1	160 µL			
RT Buffer MX	1	112 µL			
RT Enzyme	1	28 µL			

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**Table 2 – Box 2 (750-01007) components to be stored at –20°C (Continued)**

Component	Unit Quantity	Volume/ Unit	Uses/Unit	Storage Conditions	Part Number
RNase Inhibitor	1	55 µL	96 wells	–20°C	750-01007
BCRseq Primer 1	1	200 µL			

a. This reagent is also provided as part of the Loading Reagent Kit (750-08029).

b. This item is also part of the Extended OptoSeq BCR Bead Unload Kit (750-08097).

## Instructions for Use

Instructions for use and handling can be found in the following documentation on the Support Portal:

- *Opto® B Discovery Workflow User Manual* (MAN-08351)
- *Next-Generation Sequencing of Antibodies from OptoSeq® Barcoded BCR Exports* (MAN-08137)

## Safety

Use standard laboratory safety protocols and always wear appropriate personal protective equipment (PPE). Read and understand the safety data sheets (SDSs) before handling chemicals. To obtain SDSs, email [support@brukercellularanalysis.com](mailto:support@brukercellularanalysis.com).

## Legal

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