



OptoSeq[®] BCR Kit v2

PRODUCT INSERT

Purpose

The OptoSeq[®] BCR Kit v2 (750-08238) consists of all reagents required to process up to 189 OptoSeq BCR bead exports on the Beacon[®] optofluidic systems. The Extended OptoSeq[®] BCR Bead Unload Kit (750-08097) supports the OptoSeq BCR Kit v2 when processing more than 189 bead exports or more than one workflow. We recommend keeping the components of each box together during storage for easy access. Components in the kit cannot be ordered separately unless otherwise noted.

Kit Contents

Table 1 – Box 1 (750-08239) components to be stored at 4°C

Component	Unit Quantity	Volume/ Unit	Uses/ Unit	Storage Conditions	Part Number
BCRseq Capture Beads	1	210 µL	4 chips	4°C	750-08238 (box 1 of 2)
Buffer P+	1	110 mL	4 chips		
Buffer S	1	20 mL	4 chips		
Wetting Additive ^a	2	1.5 mL	4 chips/189 wells		

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

Table 2 – Box 2 (750-08240) components to be stored at -20°C

Component	Unit Quantity	Volume/ Unit	Uses/ Unit	Storage Conditions	Part Number
Additive PG	1	20 µL	4 chips	-20°C	750-08238 (box 2 of 2)
BCRseq Primer 1 ^a	1	200 µL	189 wells		
Buffer R (5X) ^a	1	10 mL	189 wells		
Cell Lysis Buffer	1	60 µL	4 chips		
Loading Reagent ^b	1	1 mL	1		
PCR Buffer TX ^a	2	2 mL	189 wells		
PCR Enzyme T ^a	1	160 µL	189 wells		

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Table 2 – Box 2 (750-08240) components to be stored at –20°C (continued)

Component	Unit Quantity	Volume/ Unit	Uses/ Unit	Storage Conditions	Part Number
RNase Inhibitor	1	100 µL	4 chips		
RT BCRseq Buffer MX	1	126 µL	4 chips	–20°C	N/A
RT Enzyme	1	20 µL	4 chips		

a. This reagent is also provided as part of the Extended OptoSeq BCR Bead Unload Kit (750-08097).

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

Instructions for Use

Instructions for use and handling can be found in the following documentation on the [Support Portal](#):

- *Beacon® Optofluidic Systems User Manual* (MAN-000003)
- *Opto® B Discovery Workflow User Manual* (MAN-08351)
- *Sanger Sequencing of Antibodies from OptoSeq® BCR Exports Protocol* (MAN-08035)

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.

Legal

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