



# Opto<sup>®</sup> Memory B Discovery Sample Prep Kit, Camelid

## PRODUCT INSERT

### Purpose

The Opto<sup>®</sup> Memory B Discovery Sample Prep Kit, Camelid (KT52-00007) consists of the reagents required to isolate, activate, and screen camelid memory B cells with the Opto<sup>®</sup> B Discovery workflow on Beacon<sup>®</sup> optofluidic systems. The kit contains two boxes with different storage conditions. We recommend keeping the components of each box together during storage for easy access when running the workflow. Components in the reagent kit cannot be ordered separately unless otherwise noted.

### Kit Contents

**Table 1 – Box 1 (KT52-00008) components to be stored at 4°C**

Component	Unit Quantity	Volume/ Unit	Uses/ Unit	Storage Conditions	Part Number
Basal Media	1	185 mL	4	4°C	KT52-00008 (box 1 of 2)
Media Additive A2	1	220 µL	4		
Wetting Additive <sup>a</sup>	1	1.5 mL	4		
VHH+ Memory B Cell Isolation Antibody (Alpaca)	1	30 µL	4		

a. This reagent is also provided as part of the Wetting Additive Kit (750-08091).

**Table 2 – Box 2 (KT52-00009) components to be stored at -80°C**

Component	Unit Quantity	Volume/ Unit	Uses/Unit	Storage Conditions	Part Number
Media Additive A3	4	12 mL	1	-80°C	KT52-00009 (box 2 of 2)
Loading Reagent <sup>a</sup>	8	1 mL	1		
Media Additive M1	4	53 µL	1		
Media Additive M2	4	53 µL	1		
Media Additive M4	4	10 µL	1		

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

**FOR RESEARCH USE ONLY. Not for use in diagnostic procedures.**

## Instructions for Use

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

- *Beacon® Optofluidic System User Manual (MAN-000003)*
- *Memory B Cell Isolation and Activation for Camelid Tissues Protocol (MAN-08357)*
- *Opto® B Discovery Workflow User Manual (MAN-08351)*

## 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

The Opto® Memory B Discovery Sample Prep Kit, Camelid product insert and its contents are proprietary to Bruker Corporation. This product insert is intended to be used, and should only be used, in connection with the use of the Beacon optofluidic systems. No other use is permitted without the prior written consent by an authorized officer of Bruker. No right, title, or interest in any Bruker intellectual property rights are conveyed or granted, expressly or by implication, by this product insert. Review the documents in [Instructions for Use](#) PRIOR to using the Opto® Memory B Discovery Sample Prep Kit, Camelid.

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