



Miltenyi Biotec

# PepTivator® Negative Control

for stimulation of  $1 \times 10^8$  cells

130-131-610

for stimulation of  $1 \times 10^9$  cells

130-131-612

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### 1. Description

This product is for research use only.

<b>Components</b>	PepTivator Negative Control for stimulation of $1 \times 10^8$ cells or PepTivator Negative Control for stimulation of $1 \times 10^9$ cells Lyophilized matrix and stabilizers of PepTivator Peptide Pools.
<b>Capacity</b>	For stimulation of up to $10^8$ total cells (same amount of matrix and stabilizers included as in PepTivators containing 6 nmol per peptide) or for stimulation of up to $10^9$ total cells (same amount of matrix and stabilizers included as in PepTivators containing 60 nmol per peptide).
<b>Product format</b>	Lyophilized matrix including stabilizers.
<b>Storage</b>	Store lyophilized product at $-20^\circ\text{C}$ . The expiration date is indicated on the vial label.

*This product contains no preservatives and is sterile filtered; always handle under aseptic conditions.*

#### 1.1 Background information

PepTivator Peptide Pools are freeze-dried from a solution containing lyophilization matrix and stabilizers. The PepTivator Negative Control contains these auxiliary substances, but no peptides. The PepTivator Negative Control serves as a negative control for the peptide-specific stimulation of antigen-specific T cells with PepTivator Peptide Pools.

#### 1.2 Applications

- Negative control for the stimulation of antigen-specific T cells with PepTivator Peptide Pools.

### 2. Recommendations for controlling the *in vitro* restimulation of antigen-specific T cells with PepTivator Negative Control

#### 2.1 Recommendations for reconstitution of PepTivator Negative Control

▲ It is recommended to treat the PepTivator Negative Control in the same way as the PepTivator Peptide Pools.

- For reconstitution of the lyophilized product take the vial from  $-20^\circ\text{C}$  and warmup to room temperature.  
▲ **Note:** Do not open the vial by removing the rubber plug.
- To dissolve the PepTivator Negative Control for stimulation of  $1 \times 10^8$  cells, fill a sterile syringe (0.5 mL) with 200  $\mu\text{L}$  of sterile water. To dissolve the PepTivator Negative Control for stimulation of  $1 \times 10^9$  cells, fill a sterile syringe (5 mL) with 2 mL of sterile water.
- Slowly inject the water with a sterile needle through the center of the rubber plug into the vial containing the lyophilized product.
- Vortex the solution to completely dissolve the lyophilized product.
- Remove the rubber plug and aspirate the stock solution with a pipette.
- To avoid repeated freeze-thaw cycles prepare working aliquots from the stock solution.
- Store the working aliquots at  $-80^\circ\text{C}$ .

#### 2.2 Recommendations for *in vitro* restimulation of antigen-specific T cells

▲ Follow the protocol for antigen-specific T cell stimulation provided in the data sheet of PepTivator Peptide Pools. The PepTivator Negative Control should be applied in the same way. According to the PepTivator protocol, use 20  $\mu\text{L}$  of stock solution per mL cell suspension.

Refer to [www.miltenyibiotec.com](http://www.miltenyibiotec.com) for all data sheets and protocols. Miltenyi Biotec provides technical support worldwide. Visit [www.miltenyibiotec.com](http://www.miltenyibiotec.com) for local Miltenyi Biotec Technical Support contact information.

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