

# HEK-Blue™ Selection

Antibiotic mixture for the maintenance of certain HEK-Blue™ cells; Cell culture tested

Catalog code: hb-sel

<https://www.invivogen.com/hek-blue-selection>

For research use only

Version 24J10-MM

## PRODUCT INFORMATION

### Contents

10 x 1 ml tubes of HEK-Blue™ Selection 250X concentrate

### Storage and stability

- HEK-Blue™ Selection is shipped at room temperature and should be stored at 4 °C or -20 °C. Avoid repeated freeze-thaw cycles.

- The expiry date is specified on the product label.

*Note: HEK-Blue™ Selection is stable for 2 weeks at room temperature.*

### Quality control

Each lot is thoroughly tested to ensure the absence of lot-to-lot variation.

- Physicochemical characterization (pH, appearance)

- The activity of each antibiotic in HEK-Blue™ Selection has been individually confirmed in mammalian cells.

- HEK-Blue™ Selection has been functionally validated.

## DESCRIPTION

HEK-Blue™ Selection is a solution that combines several selection antibiotics. These antibiotics guarantee the persistent expression of the various transgenes introduced in the HEK-Blue™ cells listed in table 2. The concentration of antibiotics has been optimized to maximize their effectiveness for the maintenance of these cells. HEK-Blue™ Selection is a simple and convenient solution as all the antibiotics required are provided in a single tube and it can be simply added to the culture at a 1:250 dilution.

**IMPORTANT** HEK-Blue™ Selection is only for use with a defined set of HEK-Blue™ cells as listed in table 2.

## SAFETY CONSIDERATIONS

HEK-Blue™ Selection is a harmful compound. Refer to safety data sheet for handling instructions.

## METHOD

Growth Medium for cell culture maintenance of the HEK-Blue™ cells listed in table 2:

DMEM 4.5 g/l glucose, 2-4 mM L-glutamine, supplemented with 10% FBS, Penicillin-Streptomycin, and 1X HEK-Blue™ Selection.

1. Warm at 37 °C before use.

2. Dilute 250-fold (v/v) directly in the culture medium.

| Reagent             | T25 with 5 ml medium | T75 with 15 ml medium | T175 with 30 ml medium |
|---------------------|----------------------|-----------------------|------------------------|
| HEK-Blue™ Selection | 20 µl                | 60 µl                 | 120 µl                 |

Table 1. Recommended volumes for HEK-Blue™ Selection

## APPLICATION

Use HEK-Blue™ Selection for the maintenance of the cells listed below.

| Cell lines                                     | Cat. code    |
|--|--------------|
| HEK-Blue™-2 cells (part of Plasmotest™ Kit)    | rep-pt1      |
| HEK-Blue™-4 cells (part of EndotoxDetect™ Kit) | rep-lps2     |
| HEK-Blue™-hTLR2 cells                          | hkb-htlr2    |
| HEK-Blue™ hTLR2-TLR1 cells                     | hkb-htlr21   |
| HEK-Blue™ hTLR2-TLR6 cells                     | hkb-htlr26   |
| HEK-Blue™ hTLR2 KO-TLR1/6 cells                | hkb-htlr2k16 |
| HEK-Blue™ mTLR2 cells                          | hkb-mtlr2    |
| HEK-Blue™ hTLR4 cells                          | hkb-htlr4    |
| HEK-Blue™ mTLR4 cells                          | hkb-mtlr4    |
| HEK-Blue™ IL-1R cells                          | hkb-il1r     |
| HEK-Blue™ IL-5 cells                           | hkb-il5      |
| HEK-Blue™ IL-6 cells                           | hkb-hil6     |
| HEK-Blue™ IL-7 cells                           | hkb-il7      |
| HEK-Blue™ IL-9 cells                           | hkb-il9      |
| HEK-Blue™ IL-10 cells                          | hkb-il10     |
| HEK-Blue™ IL-11 cells                          | hkb-hil11r   |
| HEK-Blue™ IL-12 cells                          | hkb-il12     |
| HEK-Blue™ IL-17 cells                          | hkb-il17     |
| HEK-Blue™ IL-17C cells                         | hkb-il17c    |
| HEK-Blue™ IL-18 cells                          | hkb-hmil18   |
| HEK-Blue™ IL-21 cells                          | hkb-il21     |
| HEK-Blue™ IL-23 cells                          | hkb-il23     |
| HEK-Blue™ IL-31 cells                          | hkb-il31     |
| HEK-Blue™ IL-33 cells                          | hkb-hil33    |
| HEK-Blue™ CD122/CD132 cells                    | hkb-il2bg    |
| HEK-Blue™ G-CSF cells                          | hkb-gcsf     |
| HEK-Blue™ GM-CSF cells                         | hkb-hgmcsfr  |
| HEK-Blue™ STAT6-hSTING-R232 cells              | hkb-st6r232  |
| HEK-Blue™ TPO cells                            | hkb-tpo      |
| HEK-Blue™ TSLP cells                           | hkb-tslp     |

Table 2. Cell lines requiring HEK-Blue™ Selection

## TECHNICAL SUPPORT

InvivoGen USA (Toll-Free): 888-457-5873

InvivoGen USA (International): +1 (858) 457-5873

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InvivoGen Asia: +852 3622-3480

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Any questions about our selective antibiotics? Visit our FAQ page.

 **InvivoGen**  
[www.invivogen.com](http://www.invivogen.com)

## RELATED PRODUCTS

| Product                 | Description                 | Cat. Code  |
|-------------------------|-----------------------------|------------|
| EndotoxDetect™          | HEK-Blue™ LPS detection kit | rep-lps2   |
| Fungin™                 | Antifungal agent            | ant-fn-1   |
| MycStrip®               | Mycoplasma detection kit    | rep-mys-10 |
| Normocin®               | Antimicrobial agent         | ant-nr-05  |
| Normocure™              | Antibacterial agent         | ant-noc    |
| Plasmocin® Prophylactic | Anti-mycoplasma agent       | ant-mpp    |
| Plasmocin® Treatment    | Mycoplasma removal agent    | ant-mpt-1  |
| PlasmoTest™             | Mycoplasma detection kit    | rep-pt1    |

InvivoGen provides an expanding collection of cell lines in which specific genes are over-expressed or knocked out. For more information, visit [www.invivogen.com/cell-lines](http://www.invivogen.com/cell-lines).

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Any questions about our selective antibiotics? Visit our FAQ page.