

# HapiCell™ Transfection Toxicity Removal Cocktail (50X)

- 0.1 ml (Trial Pack)
- 1.0 ml
- 2.5 ml



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This product is for laboratory research ONLY and not for diagnostic use

## Introduction:

HapiCell™ Transfection Toxicity Removal Cocktail (50X) contains mixture of several chemicals formulated to effectively remove DNA/siRNA transfection mediated cytotoxicity. The cocktail is formulated for removal of transfection toxicity mediated by chemical transfection only, not by electroporation. HapiCell™ Transfection Toxicity Removal Cocktail (50X), 2.5 ml, is sufficient to treat 63 wells of 6-well plate.

## Standard Protocol:

HapiCell™ Transfection Toxicity Removal Cocktail (50X) is provided as 50x stock solution. Prepare working solution by mixing one part of the provided stock solution with 49 parts of PBS (without calcium and magnesium) in a sterile bottle to make 1x working solution. The working solution is stable for one year under storage at 4 °C and should be left at room temperature two hours before use.

The following protocol is given for treatment of 6-well plates, refer to **Table 1** for treating cells in other culture formats. The standard transfection toxicity removal procedures for 6-well plate are described below.

- After the desired time of incubation of cells with DNA or RNA transfection complex, remove the transfection complex containing medium, wash cells once with PBS without calcium and magnesium.
- Note:** While different transfection reagents from different vendors require different incubation times, we strongly recommend removing DNA/transfection reagents complex 5 hours post transfection.
- Add 2.0 ml of HapiCell™ Transfection Toxicity Removal Cocktail working solution (1x) to each well of 6-well plate and incubate for 2 minutes with gentle agitation at room temperature.
- Aspirate HapiCell™ Transfection Toxicity Removal Cocktail working solution, rinse once more with PBS without calcium and magnesium.
- Add complete cell culture medium containing serum and antibiotics.
- Check transfection efficiency 24 or 48 hours after transfection.

**Table 1. Recommended Wash Volumes for Different Culture Vessel Formats**

Culture Dish	Volume (ml)
96-well	0.3
48-well	0.6
24-well	1
6-well	2
35 mm dish	2.5
60 mm dish	5
10 cm dish	10
T75 flask	10
250 ml flask	20

**Storage:** HapiCell™ Transfection Toxicity Removal Cocktail is stable for up to 12 months at +4 °C. This item shipped at ambient temperature