

**DETACHIN™**  
**Cell Detachment Solution****Datasheet and Protocol****Catalog Number:** MP30003**Size:** 100 ml bottle

**Description:** The Detachin™ Solution contains protease, and collagenase activities in an isotonic, phosphate buffer solution with EDTA. Detachin provides quick and gentle detachment and dissociation of a wide variety of adherent cells, including primary cells, grown in all known tissue culture plastic ware.

**Storage:** Store at -20°C. Can be stored at 4°C after thawing for up to two months

**INTRODUCTION**

Adherent cell lines are important research and production tools in many life science laboratories, and cell detachment and dissociation reagents are important tools for the manipulation and preservation of cell lines. Detachin™ is a novel cell detachment and dissociation solution that provides consistent, safe, and efficient results; it has been tested successfully on many different cells and cell types like bone marrow stem, fibroblasts, hepatocytes, mouse germ, keratinocytes, macrophages, chick embryo neuronal, vascular endothelial, A-375, BHK, CHO, COS, D54, HEK 293, HeLa, L-929, M-24, MG-63, MRC-5, NIH-3T3, NT-2 cells, U-251, Vero, Sf9 insect cells, and many others.

The Detachin™ Solution is suitable for detaching adherent cells from in vitro growth vesicles. Detachin offers the following benefits:

- Gentle and rapid detachment;
- Maximum cell viability;
- Effective on a wide range of cells;
- No mammalian or bacterial byproducts;
- Stable at 4°C for 2 months;
- No need to wash detached cells.

**PROTOCOL**

1. Thaw the Detachin™ Solution at room temperature. After thawing, Detachin can be stored at 4°C for up to two months. For longer-term storage, keep Detachin stored at -20°C.

**NOTE:** For steps 2 to 5 below, use aseptic cell culture techniques to avoid contaminating your cells and/or the Detachin Reagent bottle.

2. Wash plates, flasks, or beads that contain cells with sterile PBS.

3. Add Detachin to culture dish or flask; use 1.0 ml per 75-cm<sup>2</sup> surface area.

4. Incubate culture dish or flask at 37°C and allow cells to detach for 5 to 10 minutes.

5. Count cells, passage, or process as needed. There is no need to wash the Detachin Solution away or add any enzyme inhibitors to your cells.

**FOR RESEARCH USE ONLY**

NEUROMICS' REAGENTS ARE FOR IN VITRO AND CERTAIN NON-HUMAN IN VIVO EXPERIMENTAL USE ONLY AND NOT INTENDED FOR USE IN ANY HUMAN CLINICAL INVESTIGATION, DIAGNOSIS, PROGNOSIS, OR TREATMENT. THE ABOVE ANALYSES ARE MERELY TYPICAL GUIDES. THEY ARE NOT TO BE CONSTRUED AS BEING SPECIFICATIONS. ALL OF THE ABOVE INFORMATION IS, TO THE BEST OF OUR KNOWLEDGE, TRUE AND ACCURATE. HOWEVER, SINCE THE CONDITIONS OF USE ARE BEYOND OUR CONTROL, ALL RECOMMENDATIONS OR SUGGESTIONS ARE MADE WITHOUT GUARANTEE, EXPRESS OR IMPLIED, ON OUR PART. WE DISCLAIM ALL LIABILITY IN CONNECTION WITH THE USE OF THE INFORMATION CONTAINED HEREIN OR OTHERWISE, AND ALL SUCH RISKS ARE ASSUMED BY THE USER. WE FURTHER EXPRESSLY DISCLAIM ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. V2-02/13

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Neuromics Antibodies • 5325 West 74<sup>th</sup> Street, Suite 8 • Edina, MN 55439  
phone 866-350-1500 • fax 612-677-3976 • e-mail [pshuster@neuromics.com](mailto:pshuster@neuromics.com)  
*Manufactured for Neuromics by Genlantis*