



## Cell Detachment Solution

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**Catalog #:** ADF001

**Size:** 20 ml

**Storage:** Store at -20°C until ready for use and 2-8°C for short term

**Format:** Liquid

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### GENERAL INFORMATION

The Cell Detachment Solution is an effective alternative to Trypsin/EDTA for in vitro cultured cells, containing proteolytic and collagenolytic enzymes for the usage of detachment of cells from standard tissue culture plates or T-flasks. Cell Detachment Solution contains protease and collagenase activities in an isotonic, phosphate buffer solution with EDTA to successfully to detach primary cells and cell lines.

Benefits of Cell Detachment Solution:

- Maximum cell viability
- No need to wash detached cells
- Gentle and rapid detachment
- Effective on a wide range of cells
- No mammalian or bacterial by-products

### Shipping and Storage

Product can be shipped with an ice pack or dry ice. Cell Detachment Solution can be stored at 2°C-8°C for up to two months or -20°C for long term storage. Alternatively, if the product is received frozen, wait to thaw until ready for use.

### Protocol

1. Thaw Cell Detachment Solution at room temperature
2. Remove cell culture media
3. Rinse culture plates or T-flasks with 1XPBS
4. Dispose of 1XPBS by aspiration
5. Add an adequate volume of Cell Detachment Solution to cover cells. Use minimum of 1.0 ml per 75 cm<sup>2</sup> surface area. Rock container back and forth to cover surface area with solution
6. Allow cells to detach at room temperature or 37°C Incubator for approximately 5-10 minutes or until the cells are detached
7. Monitor cell detachment. Strike flask against palm of the hand to detach cells if needed
8. After cells are detached, add growth media at a volume equal to the original enzyme solution
9. Gently pipette the cells suspension up and down five times with the culture plates or T-flask in order to flush out the remaining cells from the culture plate or T-flask
10. Count cells, passage, or process as needed
11. Cells are ready to be used for reseeding or experimental analysis

*Note: Proper precautions must be taken to avoid inadvertent exposure. Always wear gloves and safety glasses when working these materials. Never mouth pipette. We recommend following the universal procedures for handling products of human origin as the minimum precaution against contamination.*

### FOR RESEARCH USE ONLY

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