

Corning® Cellstripper® Solution

Protocol

CORNING



The Corning Cellstripper product is a non-enzymatic cell dissociation solution, formulated with a proprietary mixture of chelators, which gently dislodges adherent cells in culture. It is designed to be an alternative to trypsin when used in conjunction with either serum-free or serum-containing media. Cells can be exposed to Cellstripper solution for extended periods of time without the risk of damage associated with protein digestive enzymes like trypsin.

Note: The instructions are applicable to most cell lines. Actual procedures and concentrations should be determined by experience with individual cell lines. Researchers should regularly monitor cell viability when subculturing to determine the best procedures for specific applications.

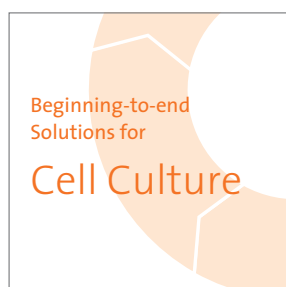
Protocol

- Step 1:** Pre-warm Cellstripper solution (Cat. No. 25-056-CI) to 37°C. This reduces cell shock associated with differences in temperature.
- Step 2:** Drain and discard spent medium from the culture vessel (flask, Petri dish, etc.)
- Step 3:** Carefully rinse the cell sheet and discard the solution. The monolayer may be washed with either calcium and magnesium-free balanced salt solution (Cat. No. 21-021-CV or 21-031-CV) or the Cellstripper solution itself. Testing the effects of each on a particular cell line will help determine the appropriate wash solution to use.
- Step 4:** Add the Cellstripper solution to the side of the vessel opposite the cells and gently swirl the vessel to cover the monolayer. Allow cells to incubate several minutes and monitor for dissociation; cells will begin to round-up and become loose. Timing may vary depending on the cell type, age of monolayer, and other factors. Cells usually dissociate within 10 to 20 minutes. Tapping the side of the vessel will facilitate removal of difficult cell lines.
- Step 5:** Once cells appear detached, add an appropriate amount of growth medium. Gently triturate to disperse cells into suspension; too vigorous pipetting may cause cell damage.
- Step 6:** Proceed with counting and/or subculturing, as necessary.

Ordering Information

Cat. No.	Description	Unit Size	Qty/Pk
25-056-CI	Corning® Cellstripper® non-enzymatic cell dissociation solution	100 mL	6
21-021-CV	Hanks' Balanced Salt solution, 1x without calcium and magnesium	500 mL	6
21-031-CV	Dulbecco's Phosphate Buffered Saline, 1x without calcium and magnesium	500 mL	6

Warranty/Disclaimer: Unless otherwise specified, all products are for research use only. Not intended for use in diagnostic or therapeutic procedures. Not for use in humans. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications.



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At Corning, cells are in our culture. In our continuous efforts to improve efficiencies and develop new tools and technologies for life science researchers, we have scientists working in Corning R&D labs across the globe, doing what you do every day. From seeding starter cultures to expanding cells for assays, our technical experts understand your challenges and your increased need for more reliable cells and cellular material.

It is this expertise, plus a 160-year history of Corning innovation and manufacturing excellence, that puts us in a unique position to offer a beginning-to-end portfolio of high-quality, reliable cell culture consumables.

For additional product or technical information, please visit www.corning.com/lifesciences or call 1.800.235.5476.

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