

INTRODUCTION

EZ-Strip is a non-enzymatic, animal component free cell culture dissociation solution. When EZ-Strip is used in conjunction with either serum-containing or serum-free media, it gently dislodges adherent cells and eliminates the damage normally seen with trypsin based solutions, even if exposed to EZ-Strip for extended periods of time. This solution substitutes trypsin and is composed of a proprietary mixture of chelators in a balanced salt solution and shows excellent results when compared with enzymatic dissociation solutions.

ASSAY PROCEDURE

1. Pre-warm EZ Strip to 37°C. This will aide in reducing the cell shock associated with differences in temperature. Observe cells to confirm that they are sub-confluent (less than 85% confluent)
2. Remove the medium from the culture vessel (flask, petri dish, etc) in which the cells were grown in.
3. Gently rinse the cell sheet with the appropriate amount of a balanced salt solution or the EZ-Strip solution, and discard. The cell monolayer may be washed with either calcium and magnesium free balanced salt solution or use the EZ-Strip solution itself. Zen-bio, Inc. recommends testing the effects of each on a particular cell line which will help determine the appropriate wash solution to use.
4. Add the EZ-Strip solution to the side of the culture vessel opposite the cells and gently swirl to cover the cell monolayer.
5. 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 - 20 minutes.
6. Tapping the side of the culture ware will aide in removal of difficult cell lines.
7. Once cells appear detached, add an appropriate amount of growth medium. Very gently mix the solutions to disperse cells into suspension; too vigorous pipetting may cause cell damage.
8. Proceed with counting and/or subculturing, as necessary.

ORDERING INFORMATION

Description

EZ-Strip Solution, 100 ml

Catalog

EZ-STRIP

Optional Products

Dulbecco's Phosphate Buffered Saline, Ca⁺⁺/Mg⁺⁺ Free, 1L

DPBS-1000