

AscleStem[®] Cardiomyocyte Dissociation Solution

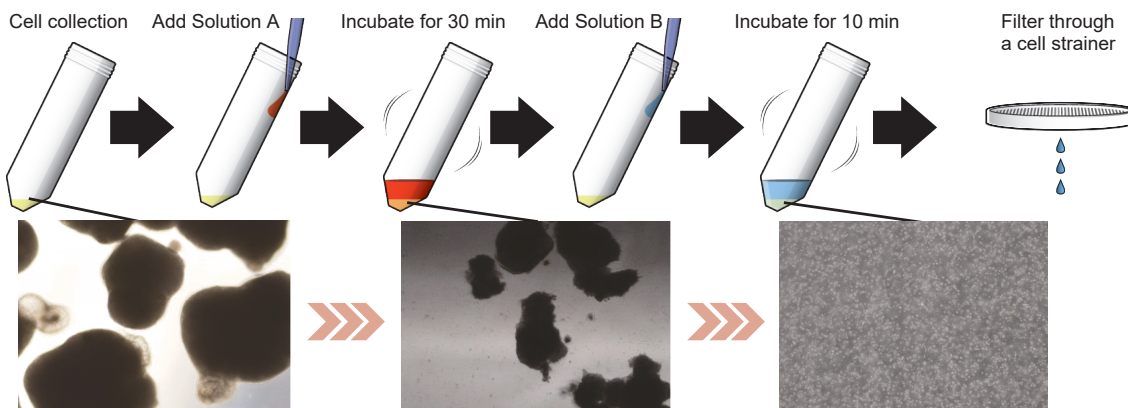
This product is a reagent designed to effectively and gently dissociate human iPSC-derived cardiomyocytes. It can be applied to cardiomyocytes differentiated by either the monolayer culture method or the embryoid body formation method. In addition, it efficiently dissociates cardiomyocyte aggregates that are otherwise difficult to disperse.

Features

- 01 Effective and gentle dissociation**
- 02 Applicable to both monolayer culture and embryoid body formation methods**
- 03 Capable of dissociating long-term cultured cardiomyocyte aggregates**

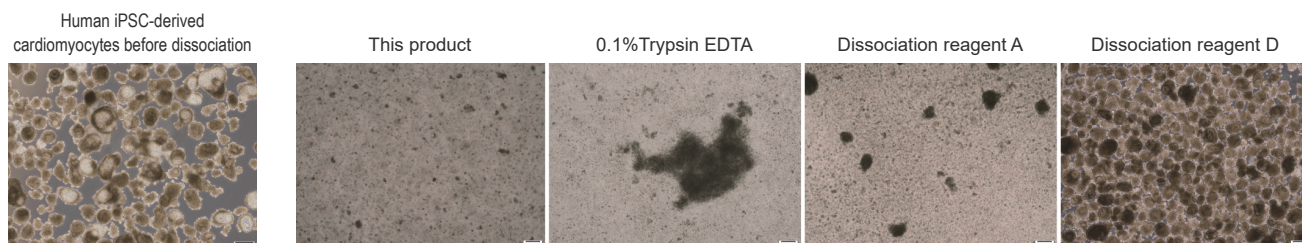
Product Description

Example of dissociation of cardiomyocytes differentiated by the embryoid body formation method



Comparison with other dissociation reagents

Various cell dissociation reagents, including this product, were applied for 40 minutes to human iPSC-derived cardiomyocytes differentiated by the embryoid body formation method (day 13 after the start of differentiation), and the degree of dissociation was compared.

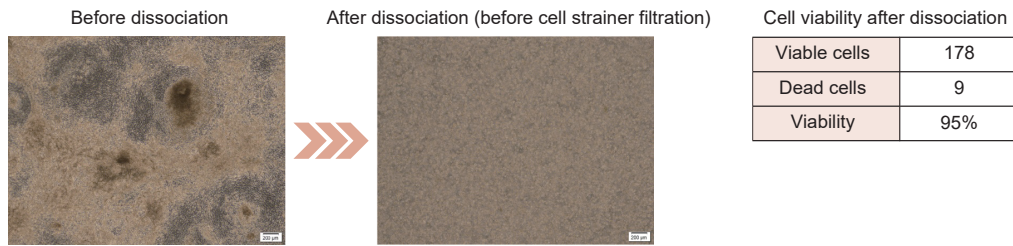


Using this product, cell aggregates that could not be sufficiently dissociated with other dissociation reagents were efficiently dissociated.

Application

Cell viability measurement after dissociation

Human iPSC-derived cardiomyocytes differentiated by the monolayer culture method (day 22 after the start of differentiation) were dissociated using this product, followed by trypan blue staining to determine cell viability. Use of this product enabled effective and gentle dissociation.



Ordering Information

Product Name	Grade	Storage	Product No.	PKG Size
AscleStem® Cardiomyocyte Dissociation Solution	–	Freezer	17080-40	1 KIT

AscleStem is a registered trademark of Nacalai Tesque, Inc.

For research use only, not intended for diagnostic or drug use.

