

Protocol for hPSC pafficerent lei centre se de la la Musiere

Figure 1. Genea Biocells Skeletal Muscle differentiation as per Caron et. Al. 2016.

Reagents:

- •



Plate/Flask Format

Protocol Index

2.

Cat #	Description

Academic Inquiries-US an	d Europe:	
Japan:		



Stage I – Conversion of human PSC to myogenic precursors

1.1.

1.1.1.

1.1.2.

1.1.3.

1.1.4.

1.1.5.

1.1.6.

Note: Successful skeletal muscle differentiation has been observed in difficult cell lines plated at densities from 2500 to $10,000 \text{ cells/cm}^2$

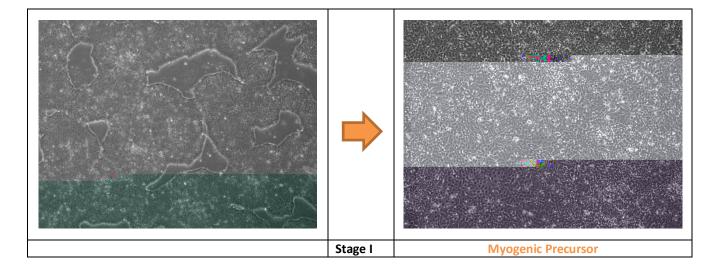
Note: Growth formats smaller than 12 well plates are not recommended for Stage I.

1.1.7.

1.1.8.

1.1.9.

1.2.





Stage II – Conversion of Myogenic Precursors to Myoblasts

1.3.

1.3.1.

1.3.2.

1.3.3.

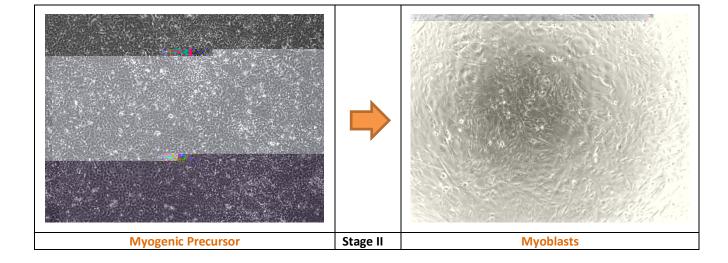
1.3.4.

1.3.5 1.3.6.

1.3.7. 1.3.8.

1.3.9.

1.4.





Stage III – Differentiation of Myoblasts to post mitotic Myotubes

1.5			
1.5.1.			
1.5.1.1.			

Note: Myoblasts are not dissociated at this stage; ensure the cells have formed a confluent monolayer to fully differentiate into Myotubes

Note: Use of Myotube/Myotube Fusion Medium will depend on end user assay requirements

1.5.1.2.

1.5.2.2.

1.5.2.3.

1.5.2.4.

1.5.2.5.

1.5.2.6.

1.5.2.7.

1.5.2.8.

1.5.2.9.

1.5.2.10.

1.5.3.

