

STEMdiff™ Cardiomyocyte Maintenance Kit



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Catalog #05020

1 Kit

Product Description

STEMdiff™ Cardiomyocyte Maintenance Kit can be used for long-term maintenance of hPSC-derived cardiomyocytes for one month or longer. These cardiomyocytes can be used in various downstream applications and analyses. This kit is compatible with cardiomyocytes generated using STEMdiff™ Cardiomyocyte Differentiation Kit (Catalog #05010) or STEMdiff™ Atrial Cardiomyocyte Differentiation Kit (Catalog #100-0215).

Product Information

The following components are sold as a complete kit (Catalog #05020) and are not available for individual sale.

COMPONENT NAME	COMPONENT #	SIZE	STORAGE	SHELF LIFE
STEMdiff™ Cardiomyocyte Maintenance Basal Medium	05015	490 mL	Store at 2 - 8°C.	Stable for 12 months from date of manufacture (MFG) on label.
STEMdiff™ Cardiomyocyte Maintenance Supplement (50X)*	05016	10 mL	Store at -20°C.	Stable for 2 years from date of manufacture (MFG) on label.

*This component contains material derived from human plasma. Donors have been tested and found negative for HIV-1 and -2, hepatitis B, and hepatitis C prior to donation. However, this product should be considered potentially infectious and treated in accordance with universal handling precautions.

Preparation of STEMdiff™ Cardiomyocyte Maintenance Medium

Use sterile technique to prepare STEMdiff™ Cardiomyocyte Maintenance Medium (Maintenance Basal Medium + Maintenance Supplement). The following example is for preparing 500 mL of complete medium. If preparing other volumes, adjust accordingly.

1. Thaw Maintenance Supplement at room temperature (15 - 25°C). Mix thoroughly.

NOTE: If not used immediately, aliquot Supplement and store at -20°C. Do not exceed the shelf life of the Supplement. Once aliquots are thawed, do not re-freeze.

2. Add 10 mL of Maintenance Supplement to 490 mL of Maintenance Basal Medium. Mix thoroughly.

NOTE: If not used immediately, store STEMdiff™ Cardiomyocyte Maintenance Medium at 2 - 8°C for up to 4 weeks. Warm medium to room temperature (15 - 25°C) before use.

Directions for Use

For complete instructions, refer to the Product Information Sheet for STEMdiff™ Cardiomyocyte Differentiation Kit or STEMdiff™ Atrial Cardiomyocyte Differentiation Kit.

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