

Endothelial Cell Growth Medium Guide

With Final BulletKit® Concentrations



High Performance Specialty Media to Accelerate Your Research

Our Endothelial Cell BulletKit® Media are formulated with additional growth factors and hormones to optimally support controlled and consistent growth of primary cells while maintaining the tissue-specific characteristics. In addition, our BulletKit® Media has batch-to-batch consistency, detailed protocols, and a dedicated scientific support team readily available to help you achieve success with primary cell culture.

Find the best specialty media for your application:

EGM® 2 Endothelial Cell Growth Medium-2 BulletKit® (CC-3162)

- EGM®-2 performs best with certain HUVECs (C2517A, C2519A, 00191027, C2517AS, and C2519AS), aortic and pulmonary artery endothelial cells. It contains both FBS and VEGF for rapid proliferation but does not contain BBE.

EGM® Endothelial Cell Growth Medium BulletKit® (CC-3124)

- Specially formulated to optimize growth of HUVEC cells (CC-2517 and CC-2519) isolated in EGM® Media in absence of defined growth factors. Supplements include FBS and BBE, with no exogenous VEGF.

EGM® Plus Endothelial Cell Growth Media-Plus BulletKit® (CC-5035)

- Specially formulated to optimize growth of HUVEC cells (CC-2517 and CC-2519) isolated in EGM® Media, in absence of defined growth factors. Supplements include FBS and BBE, with no exogenous VEGF.

EGM® 2 MV Microvascular Endothelial Cell Growth Medium-2 BulletKit® (CC-3202)

- Optimized for human coronary and iliac artery cells and Microvascular Endothelial Cells, EGM® 2 MV contains FBS and VEGF but no BBE.

	EGM [®] 2 (CC-3162)	EGM [®] (CC-3124)	EGM [®] Plus (CC-5035)	EGM [®] 2 MV (CC-3202)
Aortic Cells	✓			
Bladder Microvascular Cells				✓
Cardiac Microvascular Cells				✓
Coronary Artery Cells				✓
Dermal Microvascular Cells				✓
HUVECs	✓	✓	✓	
Iliac Artery Cells				✓
Liver-derived Cells P1	✓			
Lung Microvascular Cells				✓
Pulmonary Artery Cells	✓			
Uterine Microvascular Cells				✓

EGM[®] 2 Endothelial Cell Growth Medium-2 BulletKit[®] (CC-3162)
 1 x EBM[®] 2 Basal Medium (CC-3156), 500 mL
 1 x EGM[®] 2 SingleQuotes[®] Supplement Pack (CC-4176)

SingleQuotes [®] Supplements	Volume	Final Concentration
FBS	10 mL	2%
Hydrocortisone	0.20 mL	0.20 µg/mL
hFGF-B	2.00 mL	4 ng/mL
VEGF	0.50 mL	2 ng/mL
R3-IGF-1	0.50 mL	5 ng/mL
Ascorbic Acid	0.50 mL	75.00 µg/mL
hEGF	0.50 mL	10 ng/mL
GA-1000	0.50 mL	Gentamicin: 30 µg/mL Amphotericin: 15ng/mL
Heparin	0.50 mL	1 ng/mL

EGM[®] Endothelial Cell Growth Medium BulletKit[®] (CC-3124)
 1 x EBM[®] Basal Medium (CC-3121), 500 mL
 1 x EGM[®] SingleQuotes[®] Supplement Pack (CC-4133)

SingleQuotes [®] Supplements	Volume	Final Concentration
FBS	10 mL	2%
Hydrocortisone	0.50 mL	1.00 µg/mL
Ascorbic Acid	0.50 mL	75.00 µg/mL
hFGF-B	0.50 mL	10 ng/mL
GA-1000	0.50 mL	Gentamicin: 30 µg/mL Amphotericin: 15 ng/mL
BBE	2.00 mL	12.00 µg/mL

EGM[®] Plus Endothelial Cell Growth Medium BulleKit[®] (CC-5035)
 1 x EBM[®] Plus Basal Medium (CC-5036), 475 mL
 1 x EGM[®] Plus SingleQuotes[®] Supplement Pack (CC-4542)

SingleQuotes [®] Supplements	Volume	Final Concentration
FBS	10 mL	2%
Hydrocortisone	0.50 mL	1.00 µg/mL
L-Glutamine	25.00 mL	1461.11 µg/mL
EnGS	1.00 mL	0.20%
Ascorbic Acid	0.50 mL	50.00 µg/mL
rhEGF	0.50 mL	5 ng/mL
GA-1000	0.50 mL	Gentamicin: 30 µg/mL Amphotericin: 15 ng/mL
Heparin	0.50 mL	0.75 U/mL

EGM[®] 2 MV Microvascular Endothelial Cell Growth Medium-2 BulletKit[®] (CC-3202)
 1 x EBM[®] 2 Basal Medium (CC-3156), 500 mL
 1 x EGM[®] 2 MV SingleQuotes[®] Supplement Pack (CC-4147)

SingleQuotes [®] Supplements	Volume	Final Concentration
FBS	25 mL	5%
Hydrocortisone	0.20 mL	0.20 µg/ML
hFGF-B	2.00 mL	4 ng/mL
VEGF	0.50 mL	2 ng/mL
R3-IGF-1	0.50 mL	5 ng/mL
Ascorbic Acid	0.50 mL	75.00 µg/mL
hEGF	0.50 mL	10 ng/mL
GA-1000	0.50 mL	Gentamicin: 30 µg/mL Amphotericin: 15 ng/mL

Supplemental Products

Catalog #	Description
CC-5034	ReagentPack™ Subculture Reagents, 100 mL
CC-5012	Trypsin/EDTA, 100 mL
CC-5002	Trypsin Neutralizing Solution, 100 mL
CC-5022	HEPES Buffered Saline Solution, 100 mL
CC-5024	HEPES Buffered Saline Solution, 500 mL

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