

hCMEC/D3 | 305024

Description	HCMEC/D3	BBB	hTERT
	HCMEC/D3	BBB	claudin-5 occludin zonula occludens-
	HCMEC/D3		

Organism	
Tissue	

Disease	hTERT SV40
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Metastatic site	
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Applications	BBB	Claudin-5 Occludin ZO-1
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Synonyms	HCMEC/D3 CMEC/D3 /D3
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Age	
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Gender	
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Ethnicity	
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Morphology	
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Cell type	
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Growth properties	
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Citation	hCMEC/D3 Cytion 305024
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Biosafety level	1
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NCBI_TaxID	9606
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CellosaurusAccession	CVCL_U985
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GMO Status	GMO-S1	hCMEC/D3	SV40 T	hTERT
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Viruses	40	SV40
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Culture Medium	EGM-2 MV	-2 BulletKit	Lonza	Lonza	CC-3202
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Supplements	EBM-2
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Dissociation Reagent	Accutase	0.25%	-EDTA
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Doubling time	24	36
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Subculturing	Ca ²⁺ /Mg ²⁺	PBS	Accutase	37°C	3-5	300×g	5	1-2 × 10 ⁴	/cm ²
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Split ratio	1	3
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Seeding density	1	2 × 10 ⁴	/cm ²	I
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Fluid renewal	1	2
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Freeze medium	50%	+ 40%	(FBS) + 10%	(DMSO)	CM-1 Cytion	800100
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**Thawing and
Culturing Cells**

- 1.
2. -150°C 3
3. 37°C 40-60
4. 70%
5. 8 15
6. 300 x g 3
7. 10 T25 T25
- 8.

**Incubation
Atmosphere**

37°C 5% CO₂

**Shipping
Conditions**

-78 °C

**Storage
Conditions**

-150 -196 °C

-80 °C

Sterility

PCR