

Product sheet

CaD2 | 400138

CaD2

Description CaD2 is a mouse model for the study of the pathogenesis of COVID-19. It is a transgenic mouse model that expresses the human ACE2 gene under the control of the human angiotensinogen promoter. The mice are bred on a C3H background. The mice are bred in a biosafety level 1 facility.

Organism Mouse

Tissue Lung, Kidney, Heart

Disease COVID-19

CaD2

Breed/Subspecies DBA/2

Age 6 weeks

Gender Male

Morphology Normal

Growth properties Stable

CaD2

Citation CaD2 (Cytion 400138)

Biosafety level 1

NCBI_TaxID 10090

CellosaurusAccession CVCL_5714

CaD2

Viruses MAP, Adenovirus, B.piliformis, Reo 3, PVM, LCM, M.pulmonis, MVM, Theiler's GD VII, Toolan's H

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Culture Medium DMEM, w: 4.5 g/L $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$, w: 4 mM L- Asparagine , w: 3.7 g/L NaHCO_3 , w: 1.0 mM β - Mannose (Cytion 820300a)

Supplements β - Mannose 10% FBS

Dissociation Reagent β - Mannose

Subculturing β - Mannose cells are cultured in β -PBS (Cytion 820300a) in T25, β -3-5 μ l β -PBS, β - Mannose 3 μ l. β - Mannose cells are cultured in β -PBS (Cytion 820300a) in T25, β -3-5 μ l β -PBS, β - Mannose 3 μ l.

Seeding density 5×10^4 β - Mannose cells per μ l β -PBS

Fluid renewal 2 β 3 β - Mannose β -PBS

Post-Thaw Recovery β - Mannose cells are cultured in β -PBS (Cytion 820300a) in T25, β -3-5 μ l β -PBS, β - Mannose 3 μ l for 24 β - Mannose β -PBS

Freeze medium β - Mannose cells are cultured in β -PBS (Cytion 820300a) in T25, β -3-5 μ l β -PBS, β - Mannose 3 μ l (Cytion FBS) + 10% DMSO β - Mannose β -PBS (Cytion 820300a), β - Mannose β -PBS

- Thawing and Culturing Cells**
1. β - Mannose cells are cultured in β -PBS (Cytion 820300a) in T25, β -3-5 μ l β -PBS, β - Mannose 3 μ l
 2. β - Mannose cells are cultured in β -PBS (Cytion 820300a) in T25, β -3-5 μ l β -PBS, β - Mannose 3 μ l at -150°C β - Mannose β -PBS (Cytion 820300a), β - Mannose β -PBS
 3. β - Mannose cells are cultured in β -PBS (Cytion 820300a) in T25, β -3-5 μ l β -PBS, β - Mannose 3 μ l for 37 β - Mannose β -PBS
 4. β - Mannose cells are cultured in β -PBS (Cytion 820300a) in T25, β -3-5 μ l β -PBS, β - Mannose 3 μ l for 70% β - Mannose β -PBS
 5. β - Mannose cells are cultured in β -PBS (Cytion 820300a) in T25, β -3-5 μ l β -PBS, β - Mannose 3 μ l for 15 β - Mannose 8 β - Mannose β -PBS
 6. β - Mannose cells are cultured in β -PBS (Cytion 820300a) in T25, β -3-5 μ l β -PBS, β - Mannose 3 μ l for 300 x g β -3 β - Mannose β -PBS, β - Mannose β -PBS
 7. β - Mannose cells are cultured in β -PBS (Cytion 820300a) in T25, β -3-5 μ l β -PBS, β - Mannose 3 μ l for 10 β - Mannose β -PBS, β - Mannose β -PBS
 8. β - Mannose cells are cultured in β -PBS (Cytion 820300a) in T25, β -3-5 μ l β -PBS, β - Mannose 3 μ l for 10 β - Mannose β -PBS, β - Mannose β -PBS

Incubation Atmosphere 37°C, 5% CO_2 , β - Mannose β -PBS

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Flask Coating
[Redacted text]

Freezing Procedure
[Redacted text] -78°C

Shipping Conditions
[Redacted text] -78°C

Storage Conditions
[Redacted text] -150 °C 196 [Redacted text]

[Redacted text] / [Redacted text] / HLA

Sterility
[Redacted text] PCR [Redacted text]
[Redacted text]