Human Valvular Interstitial Cells

Order Information

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>ASE-5153</td>
<td>&gt;5.0 x 10^5 cells/mL</td>
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Product Information

Description: Human valvular interstitial cells are derived from heart valves of a single donor and explanted in culture. These cells are positive for smooth muscle actin. These cells have enabled researchers to study the role of cardiac valves in vitro, their potential uses in various types of valve replacement, stimulus contraction, transplantation studies into normal or diseased systems, and tissue engineering applications.

Origin: Human origin

Development Period: Postnatal

Disease State: Normal

Quality Control: All cell processing is validated under strict protocols with IRB approval. All cells are guaranteed to meet or exceed customer’s expectations when handled according to instructions.

- Passage number: Frozen cells (P2-4)
- Cryopreservation solution: 10% DMSO

Test Conditions: Cell quality is determined visually after analyzing Gram and Acid Fast stainings. Cells are grown and passed to determine sterility and mycoplasma for all lots. In addition, viability is determined prior to and after freezing. All cells are confirmed to be highly pure by molecular, cellular, or protein assays with their specific markers.

Storage and Handling

Handling Instructions: Frozen cells are shipped on dry ice. Upon arrival, place into -196°C (LN2) for long term storage or subculture immediately.

Storage Conditions: Store at -196°C (LN2) upon receipt until ready to culture.

Storage Solution: 10% DMSO
References


Precautions and Disclaimers

Warranty

Applied StemCell is committed to providing only superior-quality research products. Our products are specifically intended for research purposes only and are guaranteed to perform according to documented product specifications. Full warranty information for the products may be requested from our technical support or sales team at the numbers provided below.

Product Use/Safety Statement

CELLS ARE FOR RESEARCH USE ONLY. Not approved for human or veterinary use, in vitro diagnostics, or clinical procedures.

WARNING: THE ACCOMPANYING PRODUCT CONTAINS HUMAN SOURCE MATERIAL. TREAT AS POTENTIALLY INFECTIOUS. All donors are tested for the presence of HIV-I, Hepatitis B Virus, and Hepatitis C Virus. Furthermore, Gram staining and Acid Staining are performed to rule out bacterial contamination.