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# Human Pulmonary Artery Smooth Muscle Cells (HPASMC)

## Human Pulmonary Artery Smooth Muscle Cells (HPASMC)
## Cat#: PB-CH-293-2011

### Product Description

Human Pulmonary Artery Smooth Muscle Cells (PB-CH-293-2011 HPASMC) are isolated from normal human pulmonary artery. The cells are shipped in frozen vials at passage 2.
Smooth Muscle Cells Growth Medium Kit classic (PB-MH-200-2190) is recommended for the expansion of HPASMC and these cells can be propagated to extra 3-4 passages without losing their morphologic and phenotypic characteristics when cultured following the detailed protocol described in the instructions to that cells.

### Characterization of the Cells

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|---|---|
| α-Vascular SMA: | > 98% positive by immunofluorescence |
| VE-Cadherin: | < 1% positive by immunofluorescence |
| Initial Seeding Density: | 2 x $10^4$ cells / $cm^2$ |
| Seeding Density: | 1 x $10^4$ cells / $cm^2$ |

HAOSMC are negative for HIV-1, HBV, HCV and mycoplasma.

### Handling of Arriving Cells

When you receive the frozen vials, you can keep the frozen vials in a -80°C Freezer for short term storage or in a liquid nitrogen tank for long term storage. Frozen vials should be thawed in 37°C water bath immediately before plating the cells in to 10ml of Smooth Muscle Cells Growth Medium Kit classic (PB-MH-200-2190) in a T25 flask, and the cells should be incubated in a 37°C $CO_2$ incubator for overnight. The medium should be changed on the next day.

### Product Information

| | | |
|---|---|---|
| **Name of Cells:** | Human Pulmonary Artery Smooth Muscle Cells (HPASMC) | |
| **Catalogue Number:** | PB-CH-293-2011 | |
| **Product Format:** | cryopreserved | |
| **Cell Number:** | > 5 x $10^5$ cells / vial | |
| **Recommended Medium:** | PB-MH-200-2190 | Smooth Muscle Cell Growth Medium Kit classic (Basal Medium + Supplements) |

**HPASMC are for research use only.**

Although primary cells are tested pathogen-free, investigators should handle these cells with caution and treat all animal cells as potential pathogens, since no test procedure can completely guarantee the absence of infectious agents.

For further information please do not hesitate to contact us by phone under:
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