



**Human Pulmonary Artery Smooth Muscle Cell cDNA  
(HPASMC cDNA)**  
Catalog #3114

Volume: 20  $\mu$ l (approximately 20 reactions)

**Product Description**

Human Pulmonary Artery Smooth Muscle Cell PCR-ready first strand cDNA (HPASMC cDNA) is prepared from RNA extracted from Human Pulmonary Artery Smooth Muscle Cells by a Qiagen RNeasy kit. 2  $\mu$ g total RNA is then reverse-transcribed using an Applied Biosystems' High-Capacity cDNA Reverse Transcription kit. 1  $\mu$ l cDNA is sufficient for one PCR reaction. cDNA from ScienCell Research Laboratories is convenient and cost effective for researchers as it eliminates the need to acquire expensive tissues.

**Quality Control**

- The  $A_{260}/A_{280}$  ratio of the cDNA is measured to be between 1.7-1.9 using a Beckman Coulter DU 800 spectrophotometer.
- The cDNA is performance-tested in a control PCR using  $\beta$ -actin primers.

**Application**

- PCR
- DNA microarray and gene expression profiling
- Cloning of specific genes
- Gene alternative splicing and mutation detection

**Product Use**

HPASMC cDNA is for research use only. It is not approved for human or animal use, or for application in *in vitro* diagnostic procedures.

**Storage**

Store cDNA at  $-20^{\circ}\text{C}$  upon arrival; aliquot the cDNA to avoid repeated freeze/thaw cycles.

**Shipping**

Dry ice