



**Human Cardiac Myocyte total RNA  
(HCM total RNA)**  
Catalog Number: 6205

RNA Preparation:	HCM total RNA was prepared from monolayer culture of human cardiac myocytes using Qiagen RNeasy kit. Total RNA concentration was determined by DU 800 UV/Visible spectrophotometer. An aliquot of 10 $\mu\text{g}$ was stored at $-80^{\circ}\text{C}$ .
Applications	RT-PCR, cDNA synthesis, RNA protection assay, northern blot analysis, purification of mRNA for library construction, PCR-select cDNA subtraction, and DNA micro array.
Storage Condition:	Store the RNA immediately at $-80^{\circ}\text{C}$ upon arrival. To ensure stability, we recommend aliquote the RNA into single-use fraction to avoid repeated freeze/thaw cycle.
Quality Control:	Purity: $A_{260}/A_{280}$ ratio of 1.9-2.1 RNA integrity: intact 18S rRNA bands and 28S rRNA bands verified by a denaturing agarose gel, with a 2:1 ratio of 28S:18S. Residual DNA: not detected by RT-PCR.
Concentration	10 $\mu\text{g}$ (1mg/ml)
Shipping	Dry ice