



Supplemental Material to:

Galina B Belostotskaya and Tatyana A Golovanova

**Characterization of contracting cardiomyocyte colonies
in the primary culture of neonatal rat myocardial cells: A
model of in vitro cardiomyogenesis**

Cell Cycle 2014; 13(6)

<http://dx.doi.org/10.4161/cc.27768>

<http://www.landesbioscience.com/journals/cc/article/27768>

VIDEO S1. The confluent monolayer of contracting myocytes resulting from cell plating at a density of 5×10^4 cells/cm² (contraction rate: 28 beats/min, DIV 11).

VIDEO S2. The contraction of individual mature cardiomyocytes (density of cell plating: 2×10^4 cells/cm², contraction rate: 47 beats/min, DIV 3)

VIDEO S3. Contracting cardiomyocyte colony in the culture (density of cell plating: 2×10^4 cells/cm², contraction rate: 10 beats/min, DIV 11).

VIDEO S4. Progressive increase in the contraction rate of the same colony during cultivation. The contraction rate on the 18th DIV: 25 beats/min.

VIDEO S5. Progressive increase in the contraction rate of the same colony during cultivation. The contraction rate on the 25th DIV: 46 beats/min.

VIDEO S6. Progressive increase in the contraction rate of the same colony during cultivation. The contraction rate on the 30th DIV: 58 beats/min.