



**Fig. A: Healthy rat H9c2(2-1) cardiomyocytes. Imaging with an inverted light microscope (Nikon Eclipse Ti-S: Mag 200x)**

**Table A: Cell viability of H9c2(2-1) after inductions with different concentrations of hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>). Data presented were the mean  $\pm$  standard deviation of three replicates (n=3). ‘\*’ on each column denotes significant differences at  $P \leq 0.05$  as compared to negative control. Graphical representation of data is illustrated in Fig. 4.**

<b>H<sub>2</sub>O<sub>2</sub> Induction on H9c2(2-1) Cardiomyocytes</b>		
<b>Log (Dose), <math>\mu</math>M</b>	<b>Dose (<math>\mu</math>M)</b>	<b>Cell Viability (%)</b>
<b>1.19</b>	<b>15.63</b>	<b>119.47 <math>\pm</math> 3.39*</b>
<b>1.49</b>	<b>31.25</b>	<b>115.27 <math>\pm</math> 5.48*</b>
<b>1.80</b>	<b>62.50</b>	<b>109.29 <math>\pm</math> 2.07*</b>
<b>2.10</b>	<b>125.00</b>	<b>101.29 <math>\pm</math> 3.57</b>
<b>2.40</b>	<b>250.00</b>	<b>87.56 <math>\pm</math> 2.49*</b>
<b>2.70</b>	<b>500.00</b>	<b>47.68 <math>\pm</math> 3.34*</b>
<b>3.00</b>	<b>1000.00</b>	<b>3.43 <math>\pm</math> 1.00*</b>