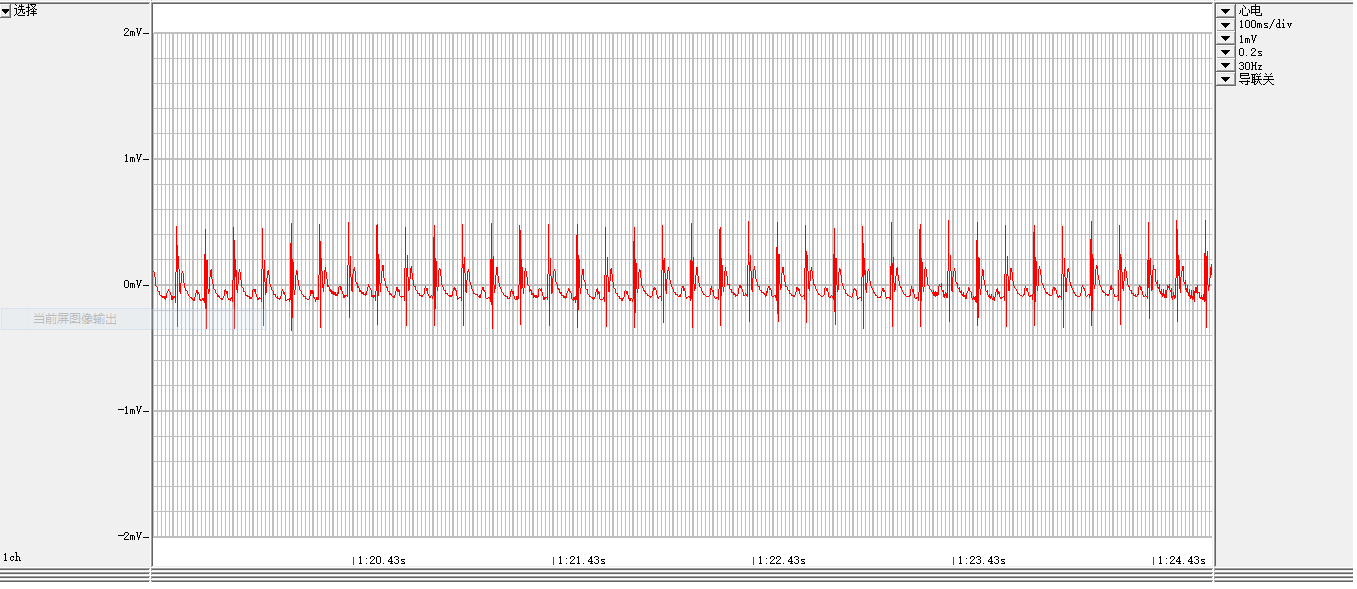
1. **In vivo MI**

The Fig 1.E showed representative condensed electrocardiograms the ECG tracing I-III were picked up, expended and shown at the bottom of panel.

**Control**

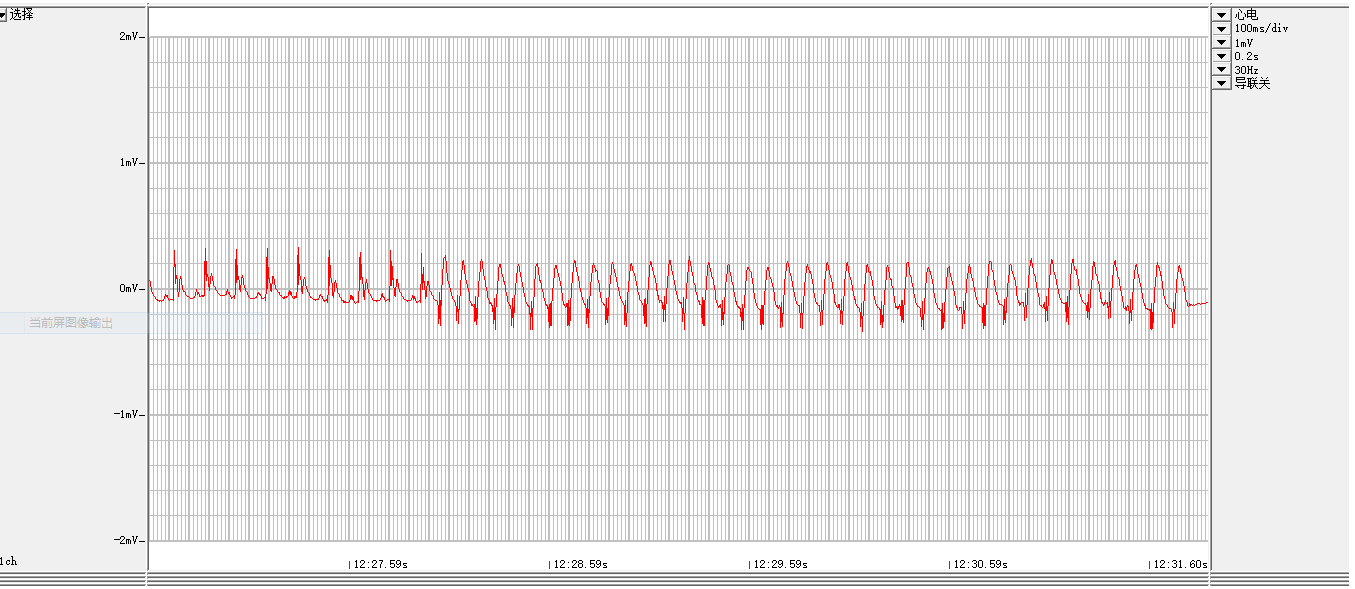
**Pre-ligation-normal ECG**



**Ligation-ST elevation**



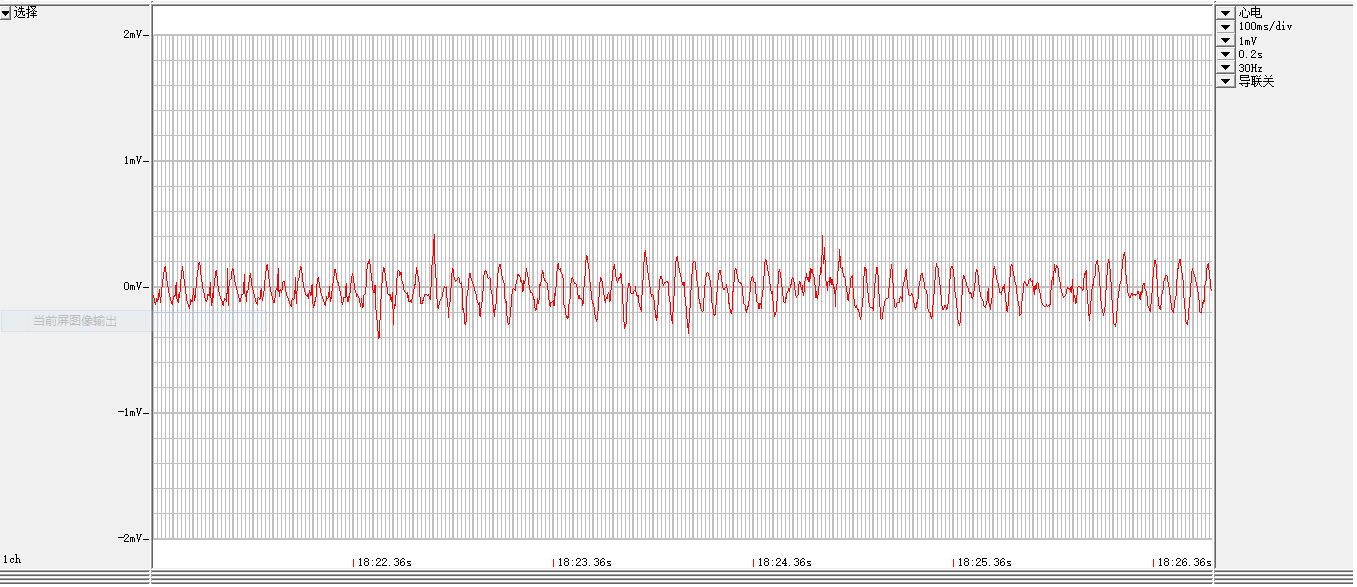
**Onset of arrhythmia, about 5 min post ligation**



**PVC**



**VF**

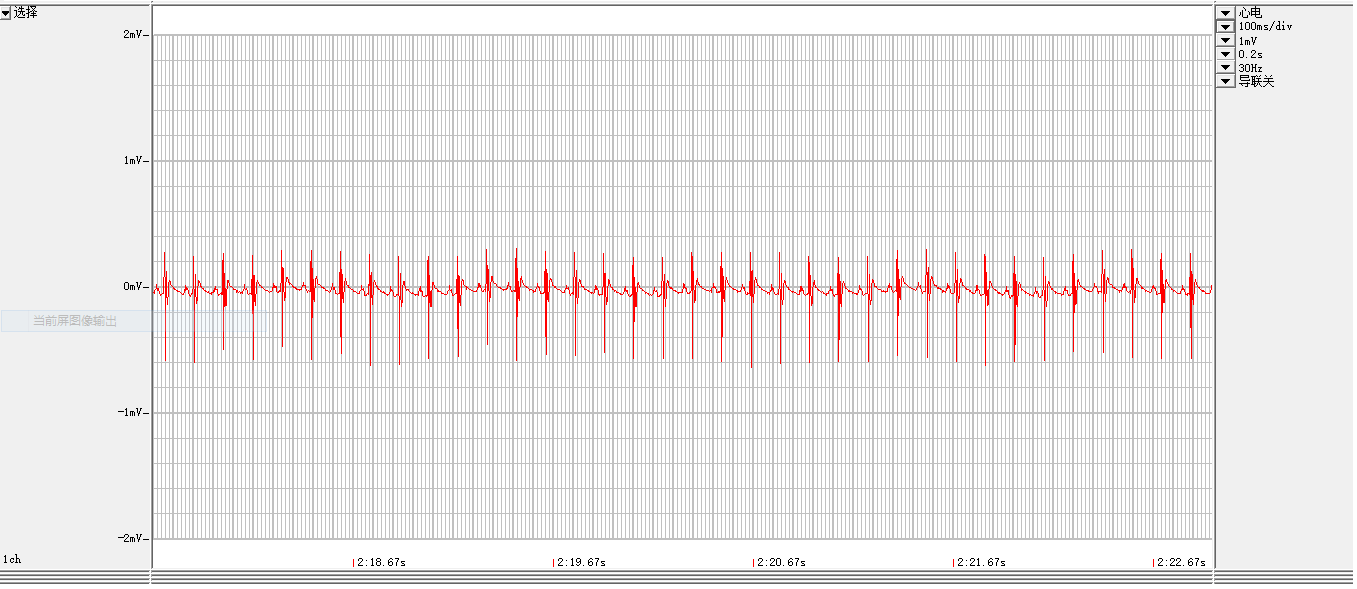


**Zacopride**

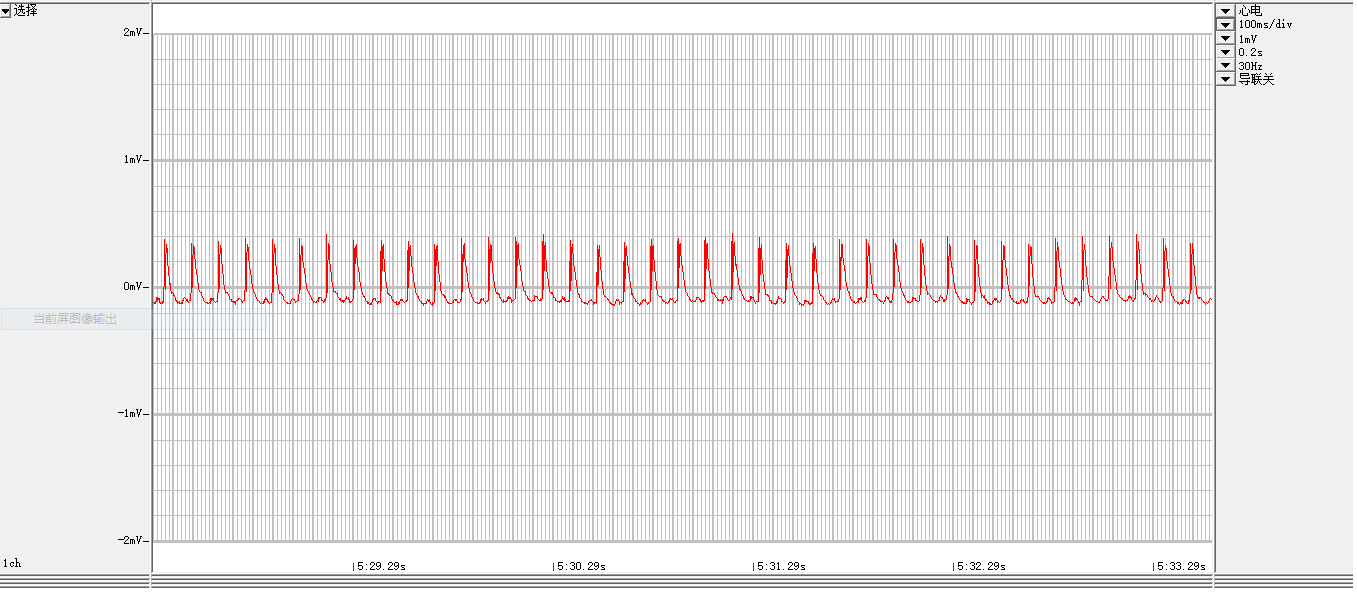
**Pre-ligation-normal ECG**

****

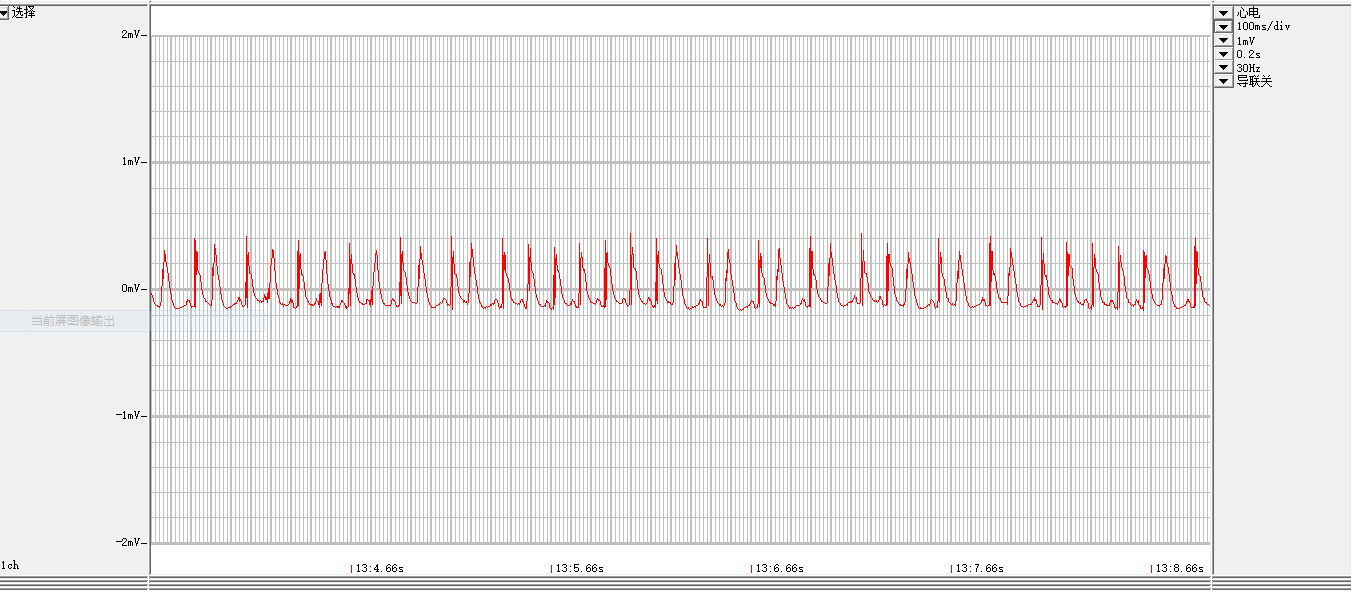
**Pre-ligation-Zacopride**

****

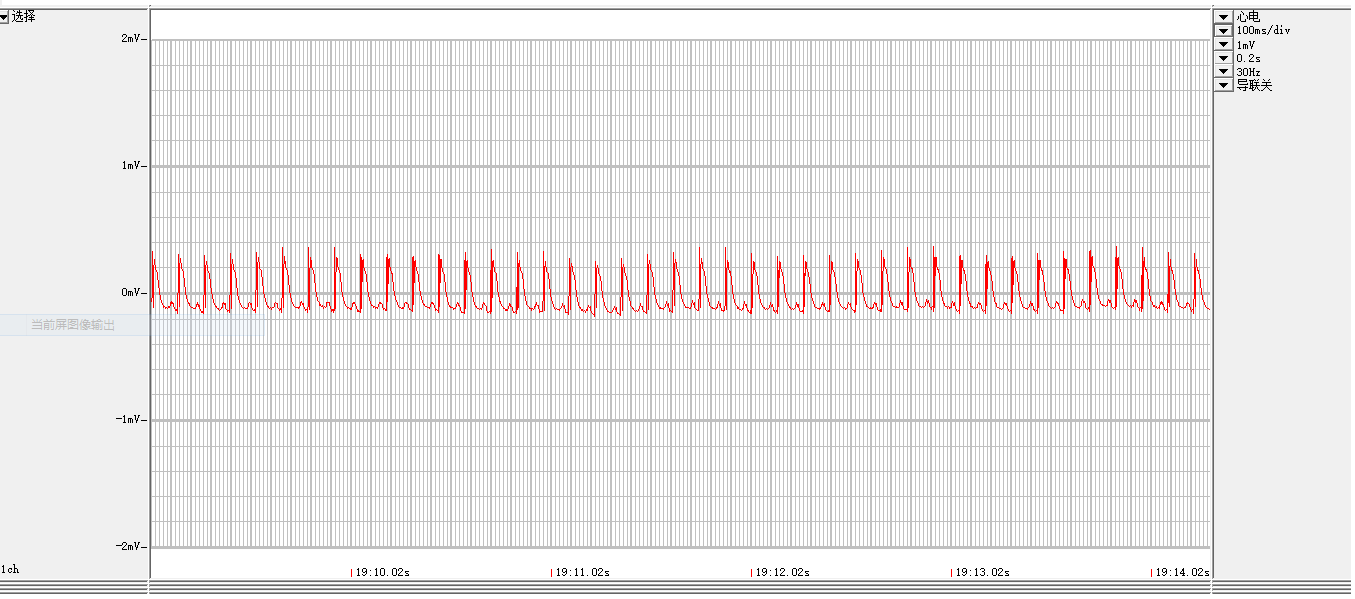
**Ligation-ST elevation**

****

**Onset of arrhythmia, about 9 min post ligation**

****

**Ligation-about 15min**

****

**Lidocaine**

**Pre-ligation-normal ECG**

****

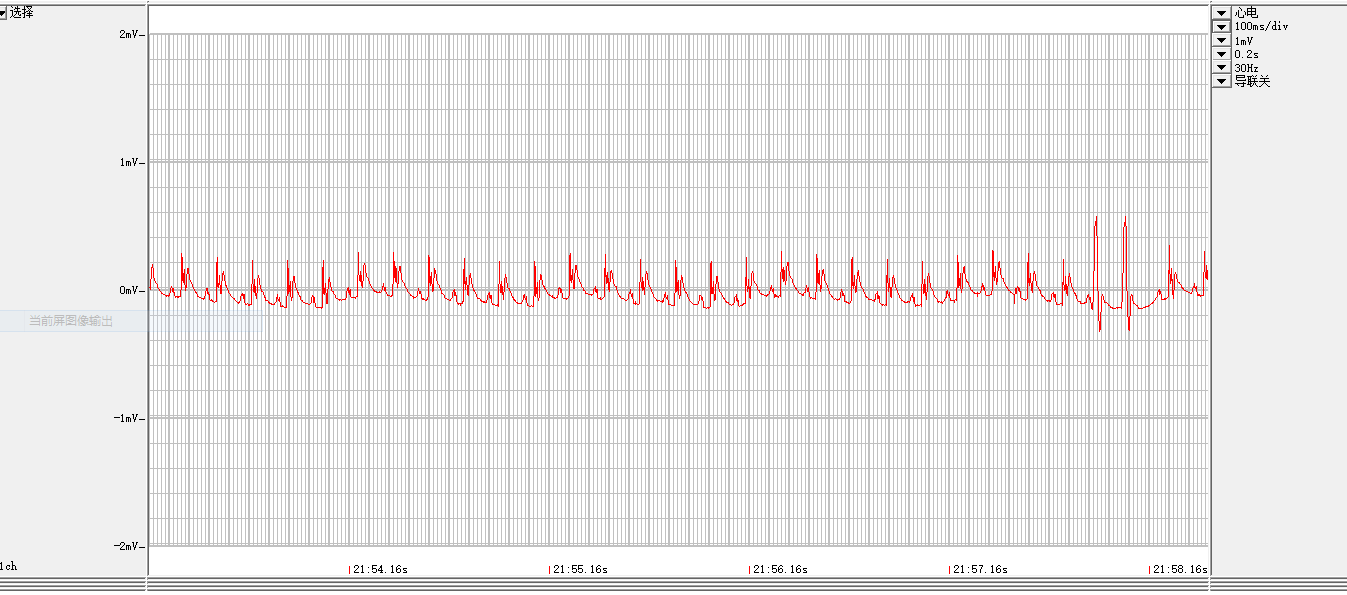
**Pre-ligation-Lidocaine, slightly slows the heart rhythm**

****

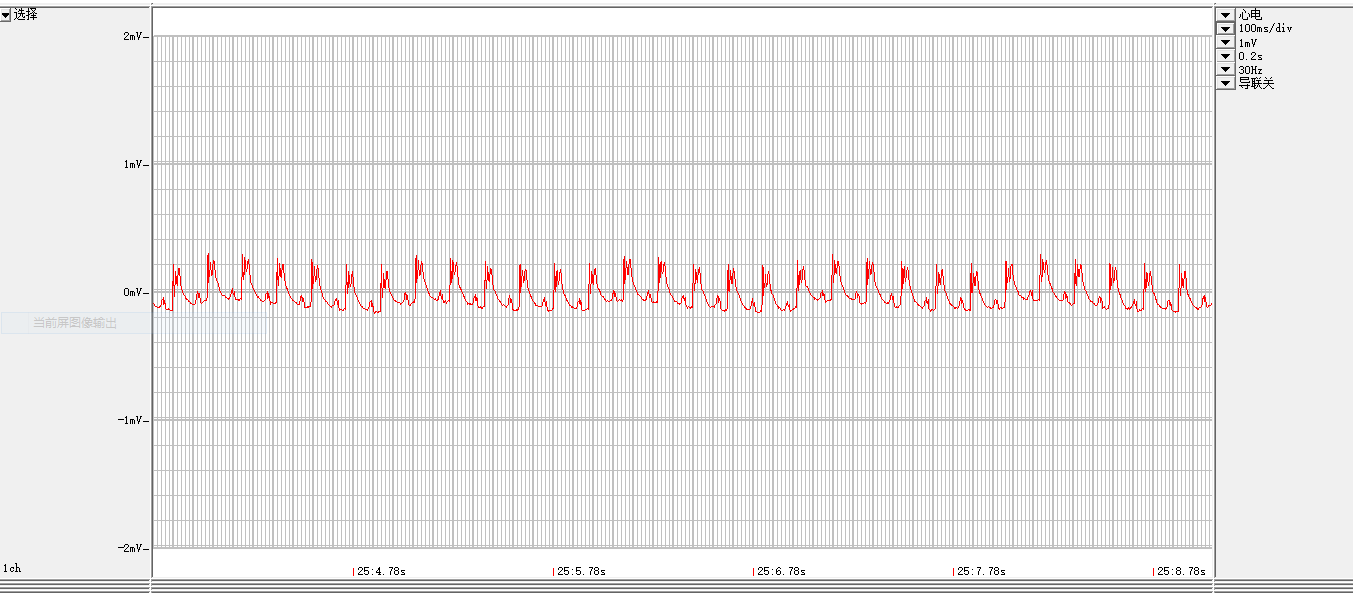
**Ligation-ST elevation**

****

**Onset of arrhythmia, about 10 min post ligation**

****

**Ligation-about 13min**

****

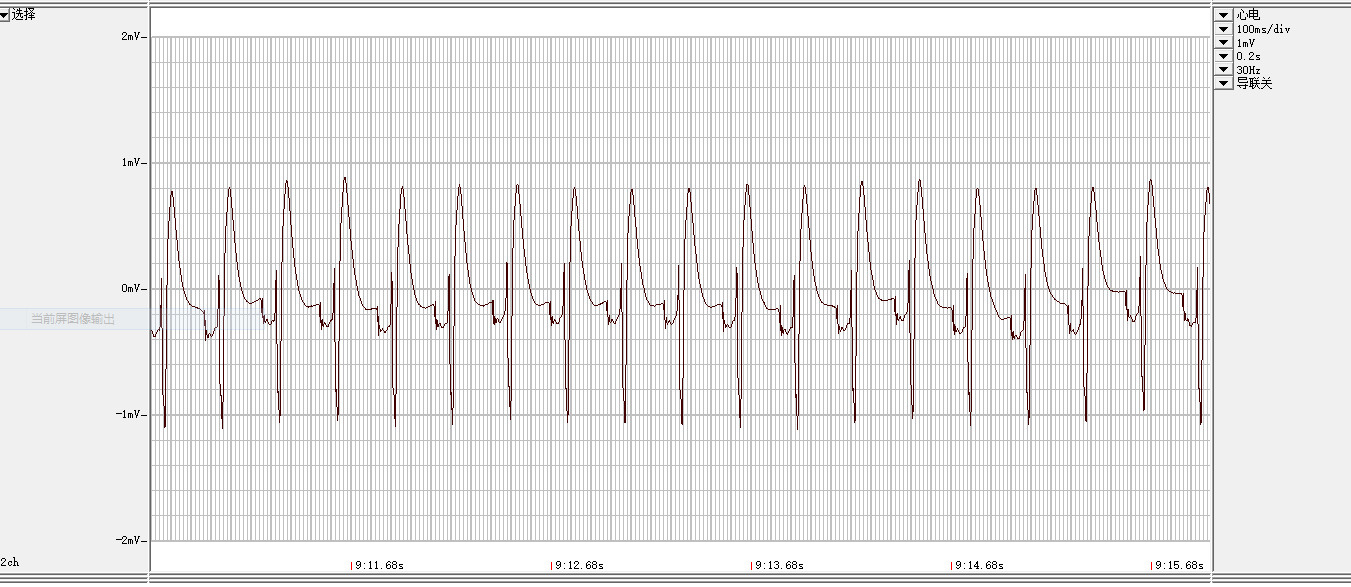
**2. Ex vivo - MI**

**Control**

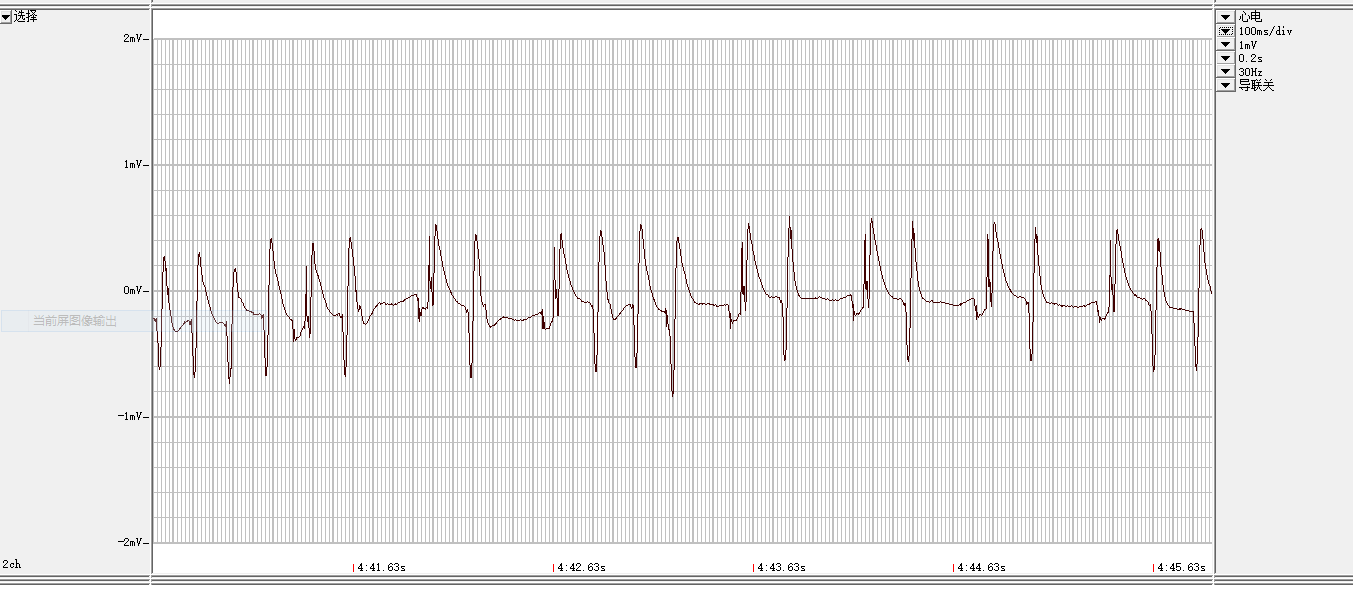
**Pre-ligation- ECG**

****

**Ligation-ST elevation**

****

**Ligation**

****

****

****

**Zacopride-1**

**Pre-ligation**

****

**Ligation-ST elevation**

****

**Ligation**

****

****

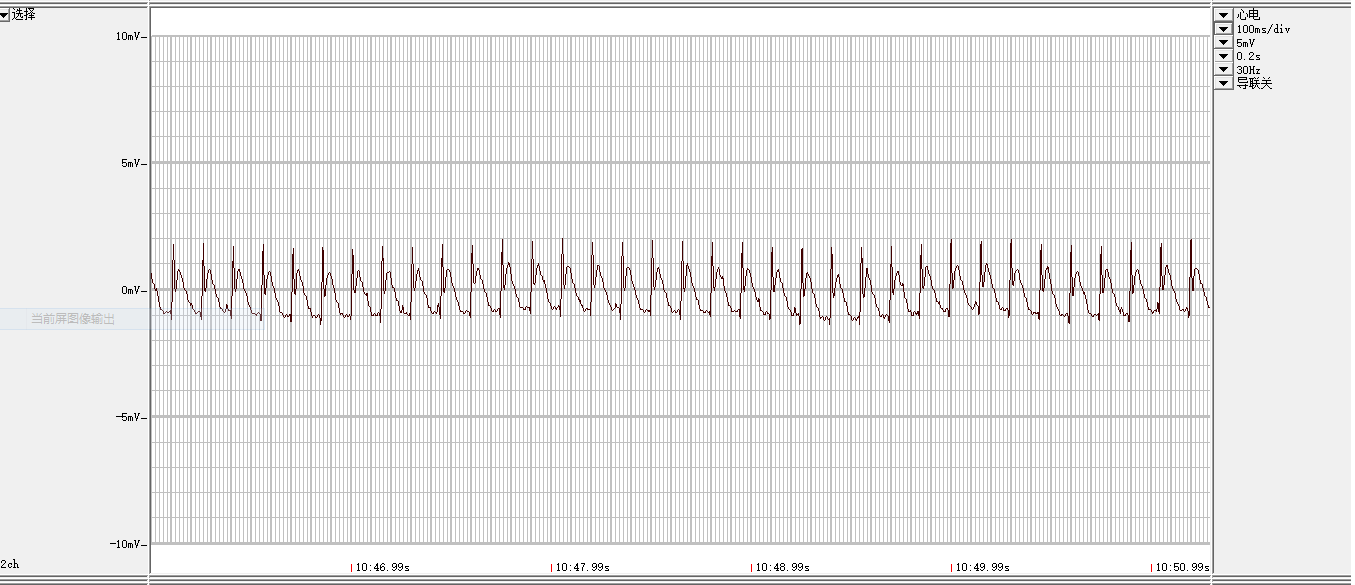
****

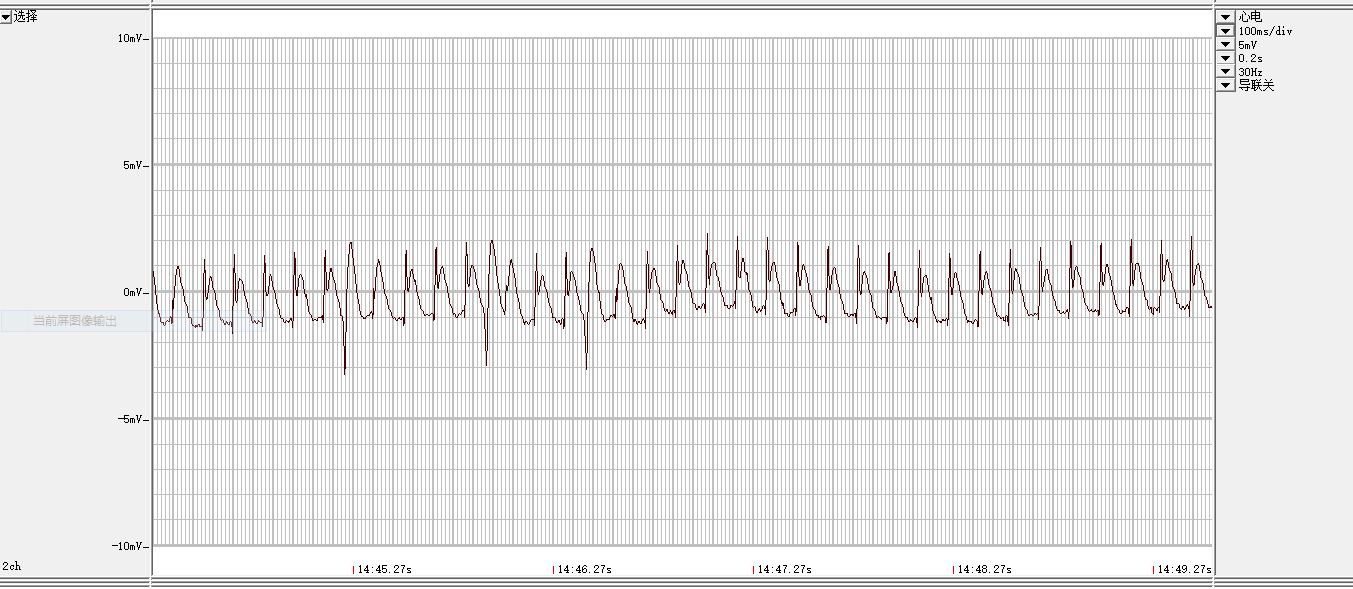
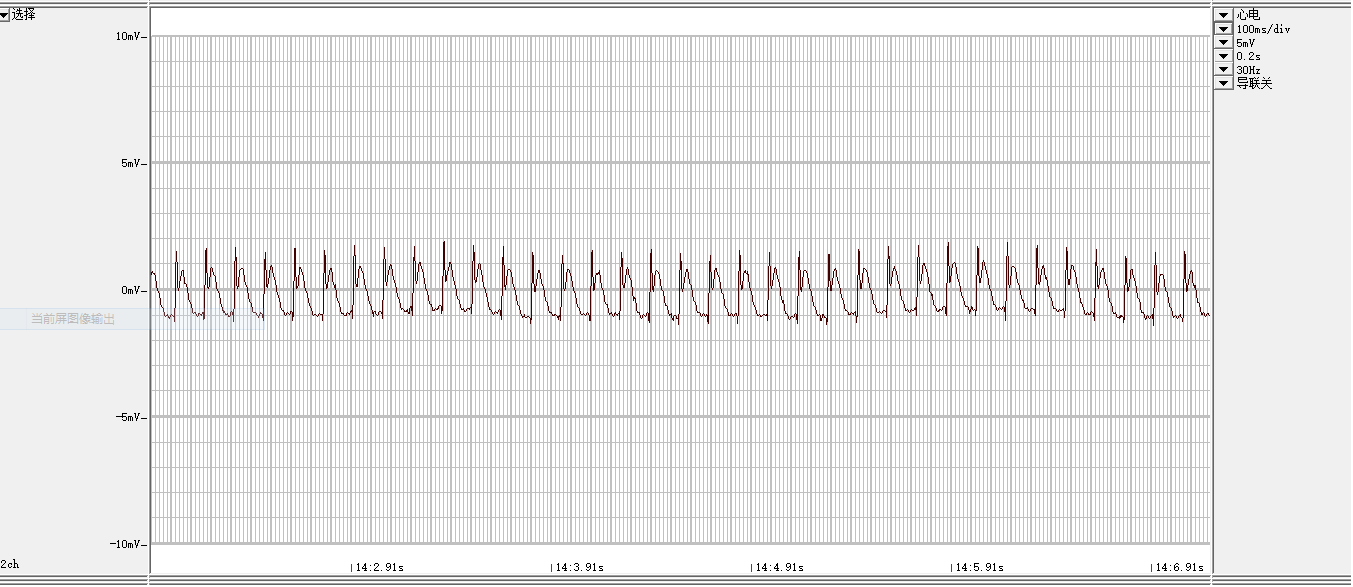
**Zacopride-2**

**Pre-ligation-normal ECG**



**Ligation-ST elevation**

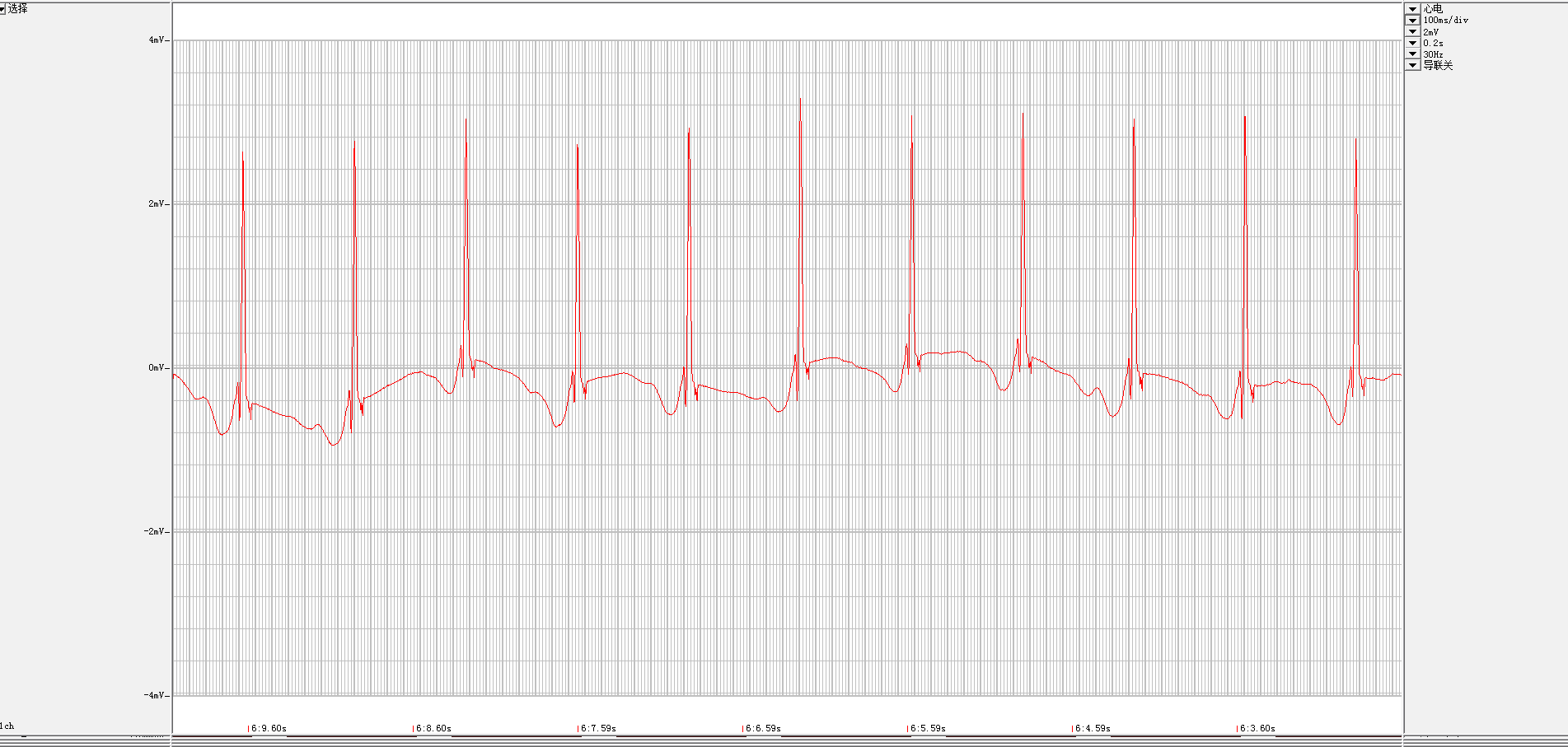


**Ligation** 

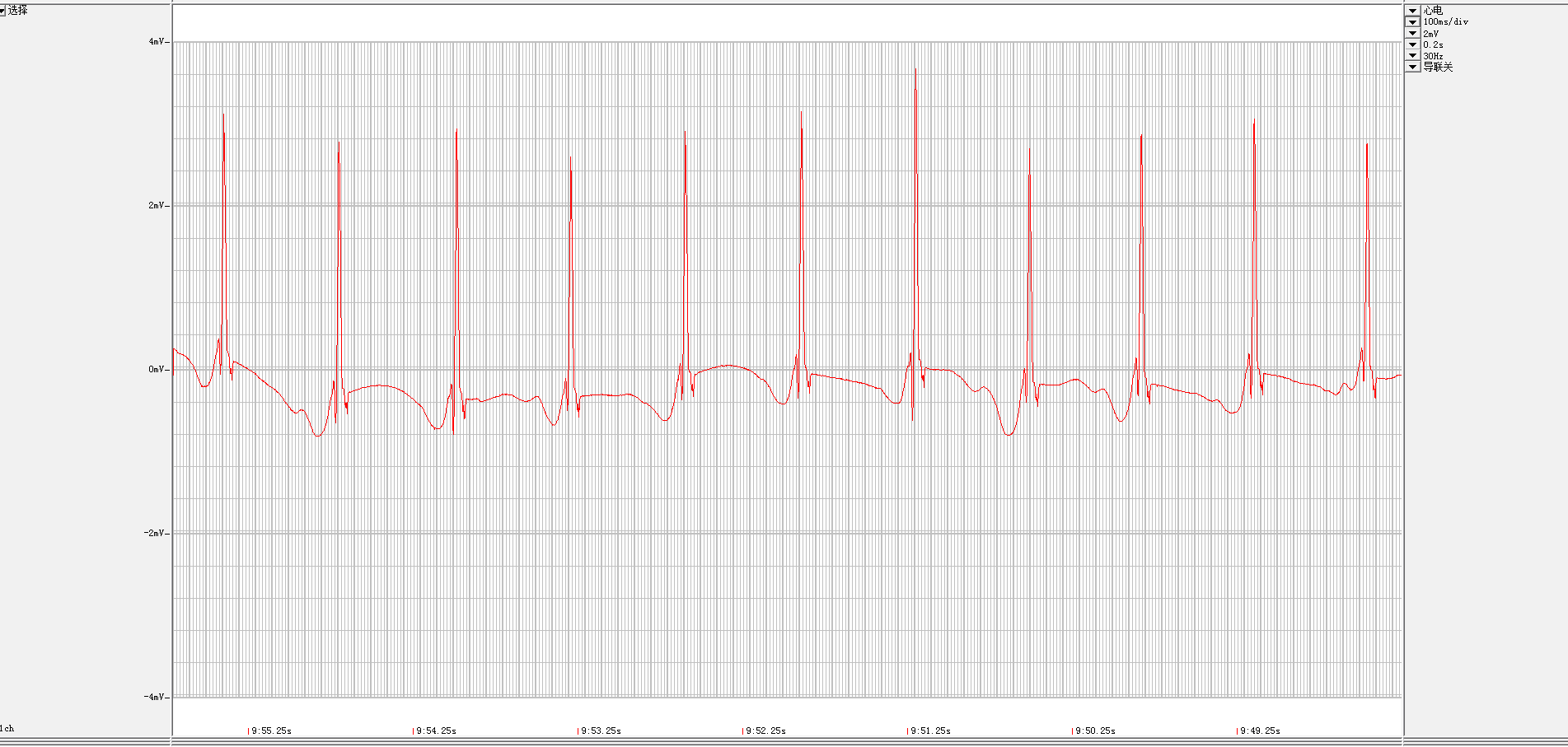


**Zacopride+BaCl2**

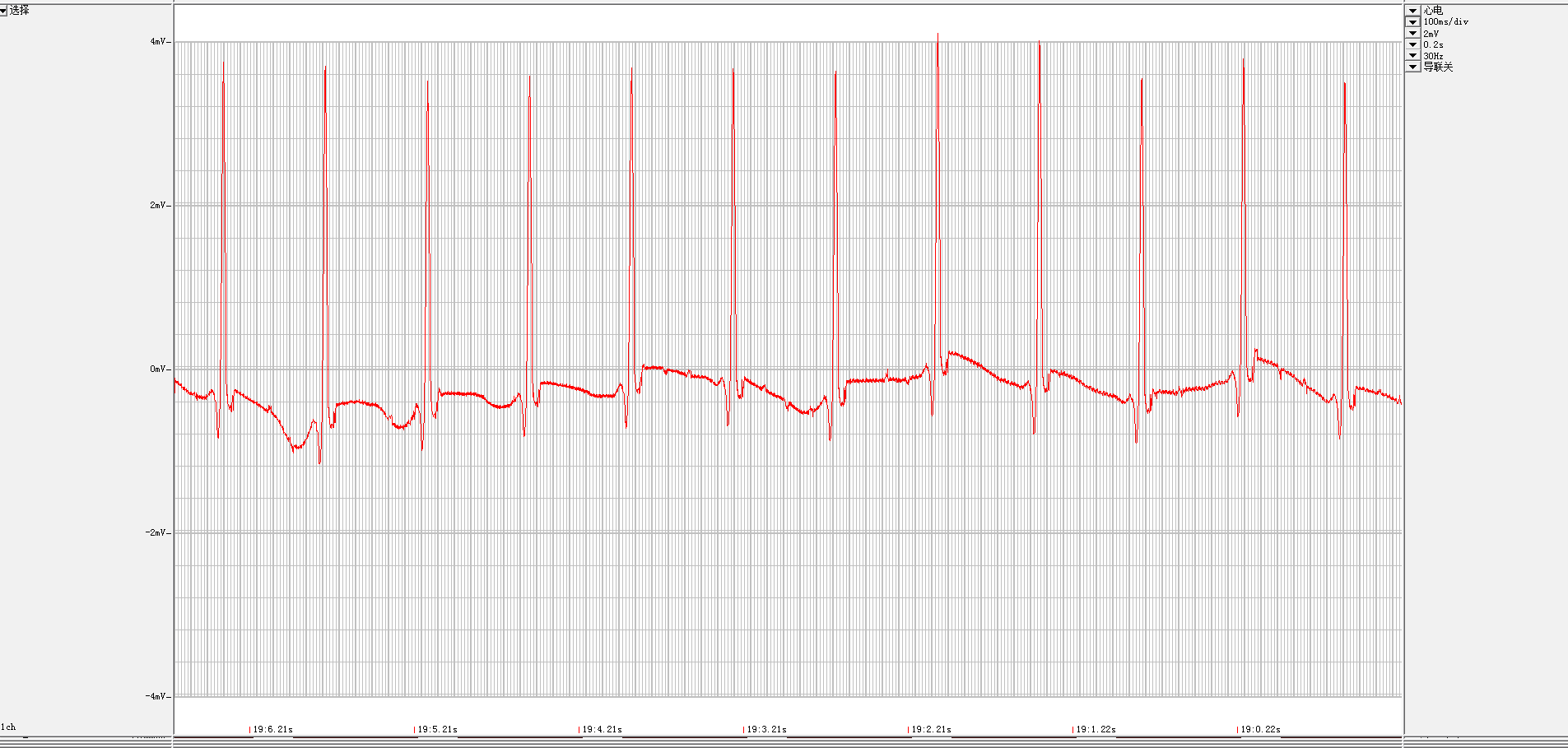
**Pre-ligation-normal ECG**

****

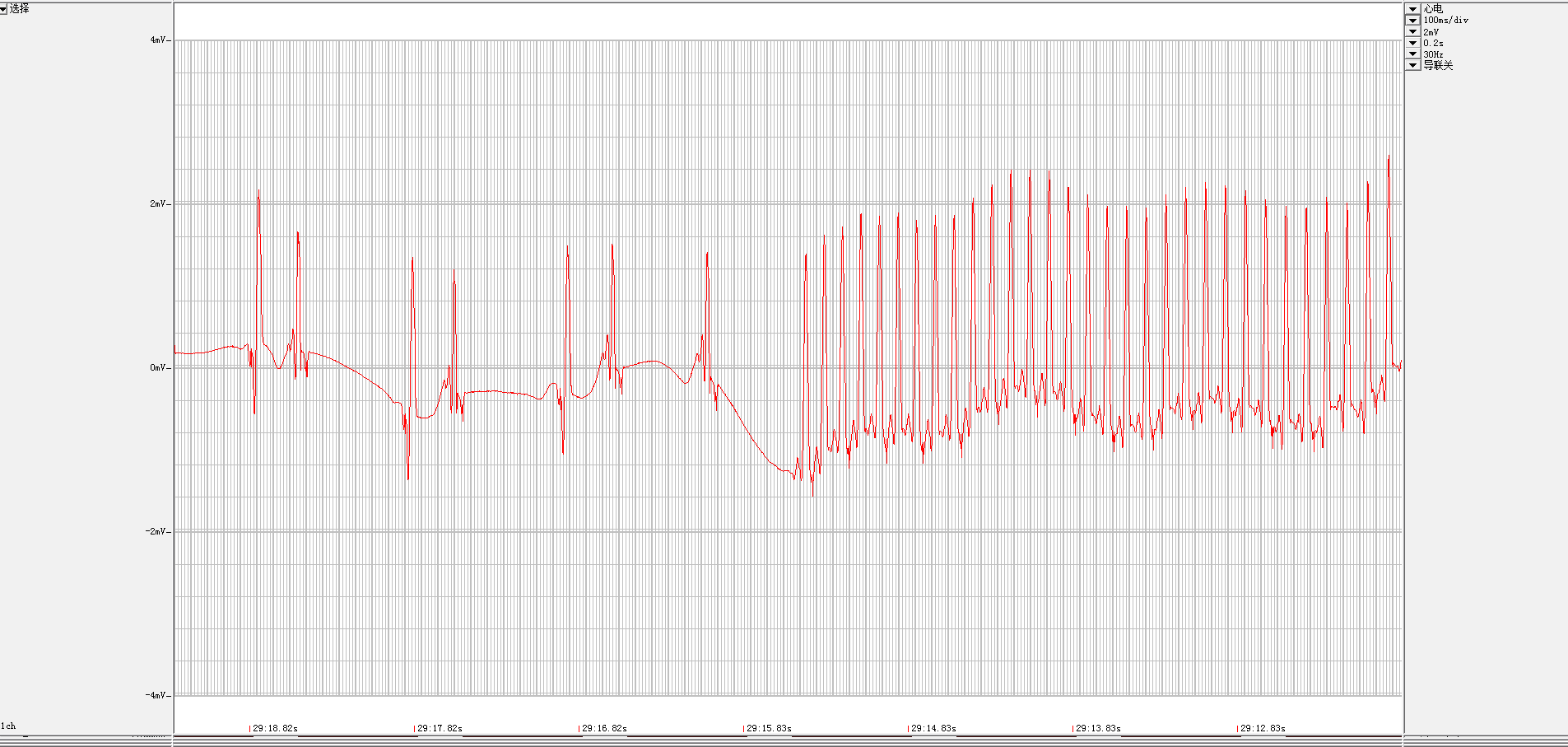
**Pre-ligation- 1 μmol/L BaCl2**

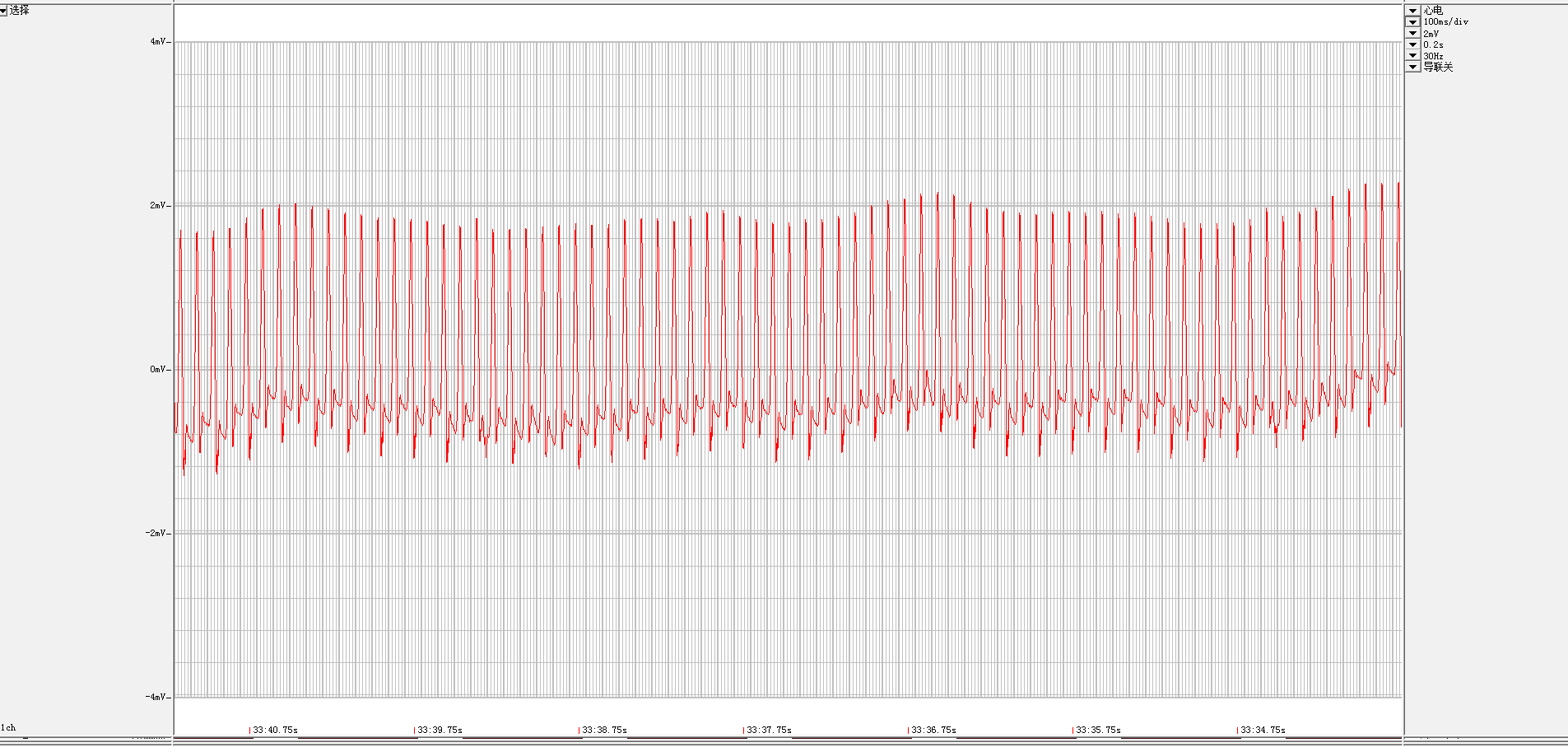


**ligation- 1 μmol/L BaCl2+1 μmol/L zacopride**



**ligation- 1 μmol/L BaCl2+1 μmol/L zacopride**

****

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1. Patch clamp recording sweeps for IK1 in a rat ventricular myocyte

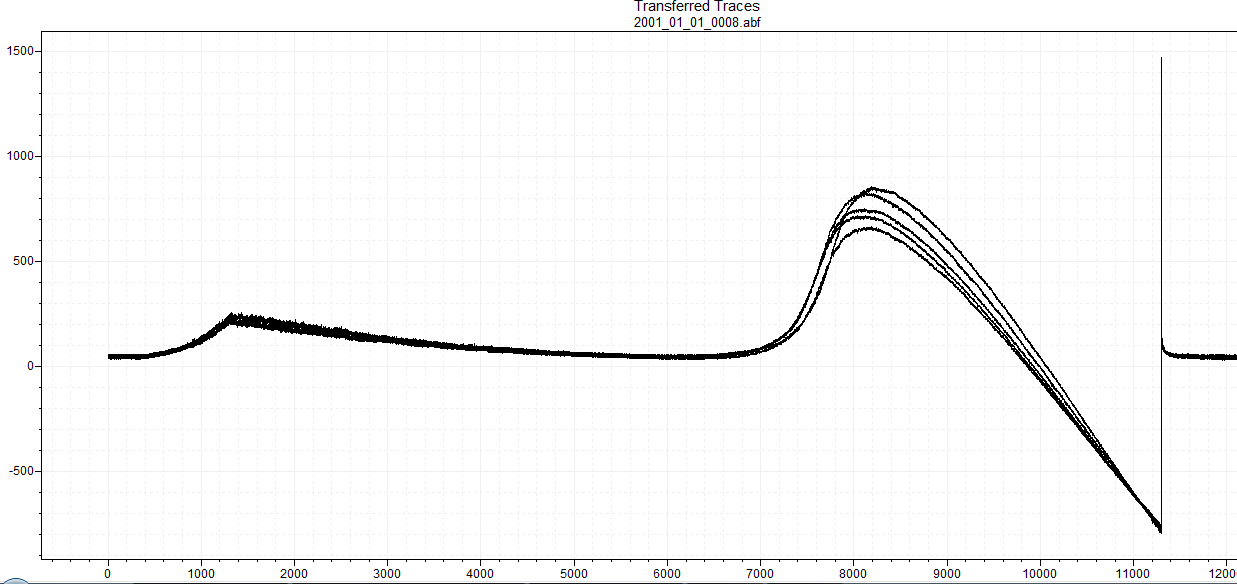
Zacopride restores hypoxia-induced *I*K1 decline. The increment of current was reversed by 1.0 µmol/LBaCl2.



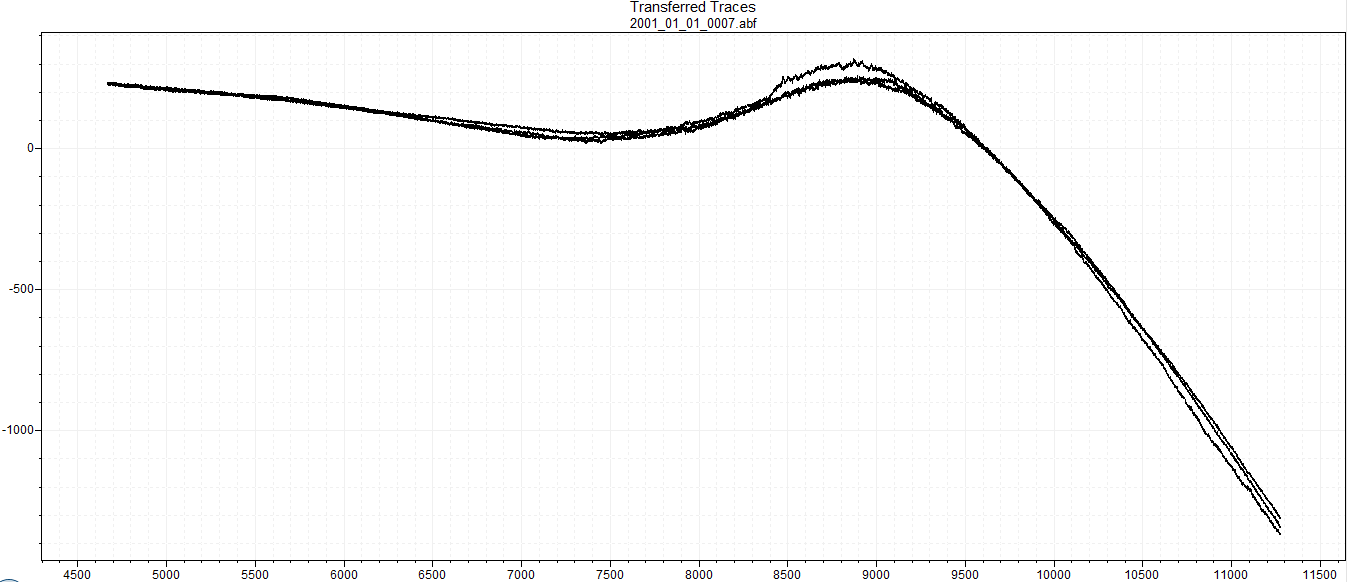


1. Patch clamp recording sweeps for Kir 2.1, Kir 2.2 and Kir 2.3 in CHO

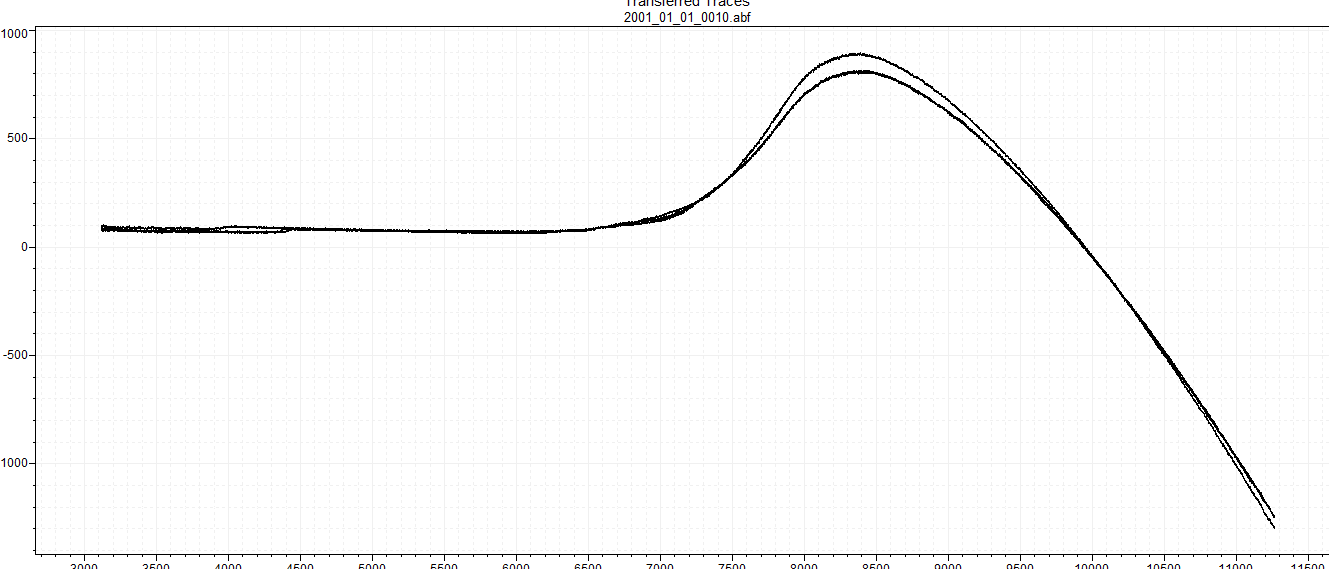
Zacopride rescues the hypoxia-induced decline of *I*Kir2.1, but not IKir2.2 and IKir2.3, in CHO cells



**Kir2.1**



**Kir2.2**



**Kir2.3**

1. **Zacopride restores hypoxia-induced RMP depolarization**

