

DRUG EVALUATION METHOD, REAGENT, AND KIT**ABSTRACT**

An object of the present invention is to provide a drug evaluation method using myocardial cells, which can stably evaluate an effect of a drug such as a muscarinic receptor agonist, an adrenergic receptor inhibitor or a muscarinic receptor inhibitor on a heart rate; and a reagent and a kit for carrying out the drug evaluation method. According to the present invention, there is provided a drug evaluation method including: treating myocardial cells with a culture medium containing a physiologically active substance of a sympathetic nervous system and/or a physiologically active substance of a parasympathetic nervous system; bringing a drug into contact with the myocardial cells treated as above; and evaluating an effect of the drug on a heart rate of the myocardial cells.

[No Suitable Figure]