

# Review on: Experimental Screening Methods for Antihypertensive Agents.

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**Abstract:** *The main goals of preclinical studies are to determine a starting, safe dose for first-in-human study and assess potential toxicity of the product, which typically include new medical devices, prescription drugs, and diagnostics. Preclinical studies refer to the testing of a drug, procedure or other medical treatment in animals before trials may be carried out in humans. They are done to determine efficacy and safety of the drug. Preclinical studies are performed in vitro, in vivo, ex vivo, and in silico` models to obtain basic information about the safety and biological efficacy of a drug candidate before testing it in a final target population, i.e. humans. In a recent days, hypertension becomes very common disease condition. Sometimes this hypertension gives rise other disease conditions and that might be very serious. Anti hypertensive agents are used, to evaluate the action, adverse effects, efficacy and parameters the experimental screening is done. Different types of in vivo studies are there to check Anti hypertensive agent for eg. to check blood pressure in pithed rats, anti hypertensive vasodilator activity in ganglion blocking, angiotensin supported rats, tail cuff method etc.*

**Keywords:** Preclinical , anti-hypertensive , in vivo studies