Portfolio de Inovação

Alternative method to the use of animals for cytotoxicity testing

Problema

Despite the efforts of the scientific community, it is still not possible to end animal experimentation in the so-called pre-clinical phases during the development of new drugs and other products for human health. Therefore, the search for alternative methods to the use of animals in scientific research to develop drugs and cosmetics is currently a worldwide concern as it helps limit animal experimentation.

Solução

The technology proposes an alternative method of assessing the cytotoxicity of a new candidate drug, cosmetic, or other application. It uses inhibition of adipogenesis of human adult stem cells to define the toxicity of a substance more accurately during the in-vitro phase in the laboratory compared to currently available systems. This method reduces the number of animals required to develop these new products. In addition, the technology may have other applications, such as identifying novel anti-obesity and endocrine-disrupting compounds.

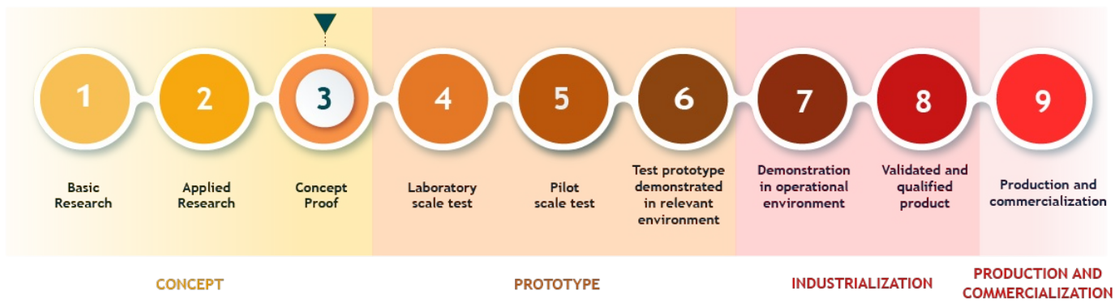
Diferencial

Reduz o uso de animais

Possui maior precisão na citotoxicidade

Utiliza células-tronco adultas humanas

Estágio de Desenvolvimento



O que buscamos?

Partners for validation of the trial through an interlaboratory study and funding. The inventors are also interested in partnerships for developing and prospecting new technology outcomes, such as the screening of anti-obesity agents and endocrine disruptors.

WANT MORE INFORMATION? CONTACT US!

Inventores

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Propriedade Intelectual

Tipo
Patente de Invenção

Descrição
Patent granted in Brazil.

VER PATENTE

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