



Safety and Toxicity

Bioactive Research has a range of analytical, safety and toxicity services that can be undertaken as part of a product development or regulatory study.

Tests available

<i>In vitro</i>	<i>In vivo</i>
Safety/Toxicity	
Cytotoxicity	Sub-chronic
	Chronic
	Acute
	Specific systems (eg neuro, renal etc)
	Reproductive

Understanding the side effects or toxicities of new preventative or therapeutic agents is an important component of pre-clinical development.

As a first step in investigating this, the effects of the test preparations on cells characteristic of particular organs should be investigated. The survival of these cells is an important consideration in determining the potential benefit of the preparation.

Bioactive Research has an extensive range of cells available which are derived from and characteristic of almost all mammalian tissues and systems. These can be used for studying the possible toxicity of the test preparations with regards to the survival of various organs.

It is also common to employ animals to investigate the effects of test preparations. Using rodents, Bioactive Research has the protocols and experience for undertaking studies on the safety and toxicity properties of test materials. These protocols can cover a diverse range of conditions as indicated in the accompanying table. These tests and models cover both the overall well-being of the test animals and specific systems (eg nervous, reproductive) and organs (eg liver, brain). As these studies address a wide range of issues the study protocols are developed collaboratively with the client. We are conversant with the FDA, TGA and OECD guidelines and experienced at performing studies under these guidelines.