

Simbiosys brings together bioassay solutions to help you *differentiate* your products through scientifically demonstrating their biological efficacy and safety profile. Our team has extensive experience in designing and performing assays that reliably demonstrate the basis of your product's health claims.

Our natural product testing services are marketed under two branded packages that are designed to exactly fit your product development and manufacturing requirements.



We offer a complete range of assays that help you generate definitive data regarding the intended efficacy, safety profile and bioavailability of your standardized extracts or active fractions from natural sources. Our assays provide you information on:

- ✓ Efficacy – mode of action
- ✓ Safety & toxicity
- ✓ Absorption & metabolism

### bioACTIV™ ADVANTAGE

- Health claims supported by tests used in pharmaceutical research
- US FDA-recommended methodologies for safety evaluation
- Scientific evidence that is cost effective, robust and *reproducible!*



The quality of botanical extracts vary through many factors, including whether the plant was farmed or gathered from the wild, whether the harvesting time was optimal, and what harvesting mechanisms were used. As a result, the biological activity and therefore the health benefits of your product can significantly vary from batch to batch.

As part of your QC team, Simbiosys works with you to establish a comprehensive solution to track the bioactivity profile of your extracts from raw material to finished ingredient. We help you:

- ✓ Develop QC methodologies for complete biological profiling
- ✓ Implement cost effective bioassays to track the bioactivity of interest throughout the manufacturing process
- ✓ Standardize *bioQC™* for a wide array of purchasing decisions

### bioQC™ ADVANTAGE

- Track bioactivity across the entire manufacturing process
- Guarantee bioactivity from batch-to-batch
- Cost effective and time sensitive!

*Simbiosys will give you a “certificate of approval” as an independent testing lab guaranteeing the biological activity of every batch of product that you ship to customers.*



'Nutraceuticals', 'Cosmeceuticals' & 'Functional Foods' provide a large market opportunity for natural products that provide health benefits beyond basic nutrition. The discovery and demonstration of scientifically sound support for health claims for natural products represent a challenge to food, health supplement & nutrition companies.

Simbiosys uses Cell-based & Biochemical assays to test natural products to provide evidence of their efficacy. Our Cell-based assays are designed to provide a relevant physiological context for testing natural products.

Under the bioACTIV™ brand of services, Simbiosys will partner through your entire discovery process. We can:

- ✓ Prepare a comprehensive review of scientific journals, articles & publications to document the known health claims for a given natural product
- ✓ Prepare a short-list of natural product candidates from scientific journals, articles & publications effective in a given therapeutic area (disease condition)
- ✓ Screen natural products in a carefully designed bioassay that has strong scientific basis and is closely linked to clinically accepted biomarkers
- ✓ Prepare a presentation / poster based on our scientific findings to translate the data into an easily understandable yet effective marketing document

Functional efficacy assays suitable for marketing, regulatory & quality assurance are available at Simbiosys for several product application areas.

