
Natural Compounds for Taste and Sensation

In customized R&D programs, BRAIN offers **unique cell-based assay systems**.

BRAIN has unique experience in the development of cell models for simulating sweat gland function and other sensory reactions of the skin – known as cell-based assays (CBAs). These assays allow the simulation of physiological processes in the skin. Based on this expertise BRAIN has teamed up with scientific partners and developed a new concept to reduce human sweating.

Natural active ingredients that protect against perspiration and body odor are in great demand. These are also sought after as alternatives to products that contain aluminum and pose health risks if used in excess. BRAIN's research aims at directly influencing primary fluid secretion in human sweat glands using natural compounds from BRAIN's BioArchive. This scientific achievement received the top award in the "Applied Research" category at the IFSCC Congress 2018.

CBAs are also fueling programs such as **TRiP²Taste** and **TRiP²Sensation** which provide access to bio-based ingredients for food and skin care products.

TRiP²Application

- encompasses BRAIN development programs based on unique cell-based assay systems for identifying bio-based ingredients for food and skin care products.
- includes the **TRiP²Taste program** aimed at boosting taste sensation.
- includes the **TRiP²Sensation program** addressing the development of skin care products.
- allows measurements of potency, efficacy and cross-selectivity.
- offers validation options including cross-checks on human cell lines and other molecular targets.

Get in Touch

You want to find the right product for your needs, learn more about our product innovations or join in on an R&D partnership? Contact us today. We will find the right approach matching your need.

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or send an email to



business@brain-biotech.com



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