

## SenzaGen and Bioglan working together for the next generation of test methods

**SenzaGen has signed a cooperation agreement with the pharmaceutical company Bioglan, which develops and manufactures creams and ointments for the pharmaceutical and cosmetics industries. The collaboration means that Bioglan will test GARDskin for skin allergens in a number of creams that are included in various end products.**

Bioglan is a pharmaceutical company that focuses on research, development and manufacture of medicines, especially semi-solids such as creams and ointments. Bioglan manufactures topical medicines and personal care products for customers within the pharmaceutical industry. The company works with everything from product development and clinical trials through to full-scale production. Safety testing and allergy testing are part of Bioglan's everyday routine and today human skin patch tests are the preferred method of testing end products for skin allergies. SenzaGen's **GARDskin** offers an alternative that may eventually replace these tests and therefore the two companies have now chosen to enter into a partnership where the use of **GARDskin** on complex end products will be further developed.

"With Bioglan we'll benefit from an extensive exchange of knowledge and will have the opportunity to test **GARDskin** on several different formulations. We will also gain a deeper understanding of the extraction process, and can thus develop our products and processes further. Our goal is that **GARDskin** will work even on end products, and that more companies will therefore take note of our technology and realize that there are safer and better tests than the ones which are still routinely used in many places today," says Anki Malmberg Hager, CEO of SenzaGen.

Bioglan, with its production in Malmö, seeks to depart from traditional testing methods on human skin and instead use the next generation's **GARD** test for safety testing of the company's products. **GARDskin** investigates and finds allergens in chemicals and pharmaceutical preparations through a unique genome technology that completely replaces the need for animal testing. The goal is that **GARDskin** should replace current tests, thus providing a better assessment of allergenicity and a more cost-effective approach.

### For more information

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### About Bioglan

Bioglan AB is your partner from product development through to full-scale manufacturing. We offer a total solution for all your production and service needs. Bioglan welcomes both small and large challenges, and is your partner of choice for

- One-off studies during product development
- Production of material for clinical trials (phase I - III)
- Commercial scale production for international markets

With more than twenty five years of experience in research, development and manufacturing of medicines, we can offer you all the services you need within the areas of semi-solids and liquids.

### About GARD

By analyzing 200 and 389 markers, depending on the test, **GARD** generates massive amounts of data and delivers results with 90 % prediction accuracy. This can be compared to the gold standard, animal tests in mice, that provides 72 % prediction. SenzaGen's test also has the ability to measure potency (strength) of a substance and can thus determine the degree to which a substance is an allergen.

### About SenzaGen

SenzaGen provides dermal and respiratory in vitro testing for the cosmetic, chemical and pharmaceutical industries replacing the need for animal testing. The company's unique test, **GARD**, is based on research from the Department of Immunotechnology at Lund University. SenzaGen is based at Medicon Village in Lund, Sweden.