



Did You Know?

What is Cultured Meat?

Currently, most of the commercial meat alternatives sold in market are usually made from plant-based protein such as soy, nuts, wheat and cereals. The entry of cultured meat is an important change and some countries allow to sell it in their countries. Singapore is the first country to approve cultured meat for human consumption products in December 2020. They approved the cultured chicken nugget made by Eat Just, the U.S. startup. Moreover, animal-free versions of eggs, seafood and dairy products are being developed by entrepreneurs besides meat.

Cultured meat, lab-grown meat or cell-based meat is a meat produced by *in vitro* cell cultures of animal cells. It starts with a few cells that can be obtained from a piece of meat, a cell bank or a live animal. There are two types of cells.

- **Primary cells:** They have already developed into muscle cells.
- **Stem cells:** They are undeveloped and can be changed to any types of cells. A stem cell can grow up to 1 trillion muscle cells by cultivating animal stem cell into bioreactor under suitable environment for growth acceleration including nutrients.

A study of consumer acceptance on cultured meat in China, US and Europe found that Chinese consumers expect safety, taste and nutrition. Unlike in the US and Europe, ethics and environmental issues are expected.

The limitation of consumer acceptance is many people feel uncomfortable in eating “grown in a lab” food. The image still be unnatural and abnormal. Other limitations of entering market are regulation, scaling up for commercial production and competitive price.

References:

1. <https://www.foodnavigator-asia.com/Article/2021/03/02/Hard-cell-Research-reveals-the-consumer-hurdles-for-cell-based-meat-adoption-in-China>
2. <https://nutritionstudies.org/how-is-cell-cultured-meat-changing-the-future-of-food/>
3. <https://www.foodingredientsfirst.com/news/mixed-feelings-on-cultured-meat-study-examines-consumer-perceptions-on-cellular-agriculture-in-spain-greece-and-croatia.html>
4. https://en.wikipedia.org/wiki/Cultured_meat
5. <https://www.usatoday.com/story/news/world/2020/12/02/eat-just-lab-grown-chicken-gets-regulatory-approval-singapore/3791581001/>

Event

Date Event/Website

02 Sep	Respharma - Hair Care webinar, Chemico Asia Pacific (M) Sdn. Bhd., Malaysia
04-07 Sep	Beauty Fair, São Paulo, Brazil https://www.cosmoprof.com/en/corporate/cosmoprof-network/other-exhibitions/beauty-fair/
06-07 Sep	World Congress on Skin care, Dermatology and Allergic Diseases, Prague, Czech Republic_ https://skin.conferenceseries.com/
06-08 Sep	Australian Society of Cosmetic Chemists Conference, Gold Coast, Australia https://ascc.com.au/
09 Sep	Daito webinar, Chemico Asia Pacific (M) Sdn. Bhd., Malaysia (Tentative)
09-12 Sep	Malaysia International Halal Showcase, Kuala Lumpur, Malaysia https://www.mih.com.my/
09-13 Sep	Cosmoprof Worldwide Bologna, Bologna, Italy https://www.onbeautybycosmoprof.com/en/
13-15 Sep	Diet & Beauty Fair, Koto, Japan https://www.dietandbeauty.jp/en/diet/
14-15 Sep	Lallemand webinar, Chemico Vietnam Co., Ltd., Vietnam
15 Sep	Beauty Trends & Innovations Conference, London, UK https://www.beautytrendconference.com/brochure
15-17 Sep	InterCHARM Korea, Seoul, South Korea http://www.intercharmkorea.com/en
15-17 Sep	Food Ingredients Asia, Beverage Ingredients Asia, Natural Ingredients Asia, Bangkok, Thailand_ https://www.figlobal.com/asia-thailand/en/home.html
15-18 Sep	Propak Asia, Drink Tech Asia, Bangkok, Thailand https://www.propakasia.com/ppka/2021/en/z_drink.asp
22-23 Sep	MakeUp in New York, New York, USA https://makeup-in-newyork.com/
22-23 Sep	in-cosmetics Latin America https://www.in-cosmetics.com/latin-america/en-gb.html
23 Sep	CAHB webinar: Healthy Bakery and Snack for Chemico Vietnam Co., Ltd., Vietnam
29 Sep-	
03 Oct	THAIFEX - Anuga Asia, Pak Kret, Thailand https://thaifex-anuga.com/en/



Regulations

Use of Hemp in Cosmetics (part 2)

Regarding usage in healthy products, such products must possess legal support on the usage of hemp. At present, cosmetics are the first products that have been legally support by the announcement of the Ministry of Public Health Thailand, regarding the usage of hemp in cosmetics B.E. 2563 signed on 30 December 2020. The announcement specifies that the following components of the hemp may be used: hemp seed oil and hemp extracts, under the condition that these components are made in Thailand. The product must contain tetrahydrocannabinol (THC) contaminant at no more than 0.2 %. The announcement does not specify the maximum concentration of the hemp seed oil or hemp extracts utilized as an ingredient in cosmetics. However, the maximum concentration of the THC contaminant in any instant cosmetic products is specified. Such products are divided into 2 groups: 1) cosmetics with a risk of absorption into the body such as oral use, use on an intimate area or use in a soft gelatin capsule, must contain the THC contaminant at no more than 0.001 % and 2) any cosmetics other than (1) must contain the THC contaminant at no more than 0.2 %.

Reference: www.fda.moph.go.th

To be continued next month.

News



RAHN Webinar, Jakarta, Indonesia

RAHN-Cosmetic Actives together with PT. Kemiko Indonesia, Jakarta held webinars entitled "LIFTONIN-QI For Skin Harmony and Balance" on July 1 and July 6, 2021. The webinar presented about a newly launch active ingredient and its mechanism of action.



Nisshin Webinar, Jakarta, Indonesia

The Nisshin Oillio Group, Ltd. and the expertise from Britoncsmetech collaborated with PT. Kemiko Indonesia, Jakarta held a webinar on July 6, 2021. The topic was "The Essential of Ester Oil". The first presentation talked about the Skin Structure and How It Works, Skin Condition and Skin Troubles, Benefit Skincare and How Oil is Important in Skincare. Then the webinar continued with a Nisshin Oillio ester and its application in skin care products.



Innospec Webinar, Vietnam

The trend of Sulfate-free or SLES-free in personal care products brings about new opportunities as well as challenges to all manufacturers. Understanding this, Chemico Vietnam Co., Ltd. in collaboration with one of the oldest and reputable supplier from USA – Innospec Inc. held an interesting webinar on July 14, 2021 with the topic "Exploring Mild Surfactants with Innospec". The key surfactants were introduced to the customers to provide easy and productive choices for their product upgrade.



News



Ashland webinar, Philippines

Ashland Specialty Ingredients in collaboration with Chemico Philippines Inc., held a webinar entitled “Revealing of Immune Power” last July 15, 2021. Chemico Philippines Inc. shared Dietary Supplement Market trend, discussed new products developed as well as market data, both globally and in the Philippines. Ashland supported the market trend by presenting the range of ingredients suited to immune support formulations. Ashland presented innovative products which includes GPM fermented supplements (GPM Vitamin C, soy free GPM Zinc, GPM Vitamins B1, B2, B6, B12.), Aloe Vera and Functional fruit concentrates (Cran-max cranberry concentrate, Bil-max bilberry concentrate and Nordic-Cherry Tart cherry concentrate).



Body & Hair Care Webinar, Malaysia

On July 15, 2021, Chemico Asia Pacific (M) Sdn. Bhd. together with Chemico Asia Health and Beauty (CAHB) Center organized a webinar about Body and Hair Care Market Trends. The customers from 36 companies joined this webinar. The webinar was based on the current and expected trends of body and hair care segments in Malaysia. The trends introduced were well-being, healthy and clean beauty. The suitable ingredients that can be used in body and hair care formulations related to the trends were also presented.



Corum Webinar, Vietnam

As signs of age are showing on our face, what should we do to keep youthful and vibrant looks after long working day? Our daily beauty products do contain enough active ingredients for anti-aging problems, don't they? So, what is the most important criteria for choosing skin care products – ingredients, compositions or just following the trends? And, how can we repair our skin after a long-term pandemic period? That was all we shared on our webinar on July 29, 2021 with the topic “Essential Anti-Aging Actives for Women under 40”. The webinar held by collaboration between Chemico Vietnam Co., Ltd. and Corum Inc. – our famous active manufacturer for beauty and personal care in Taiwan.

