

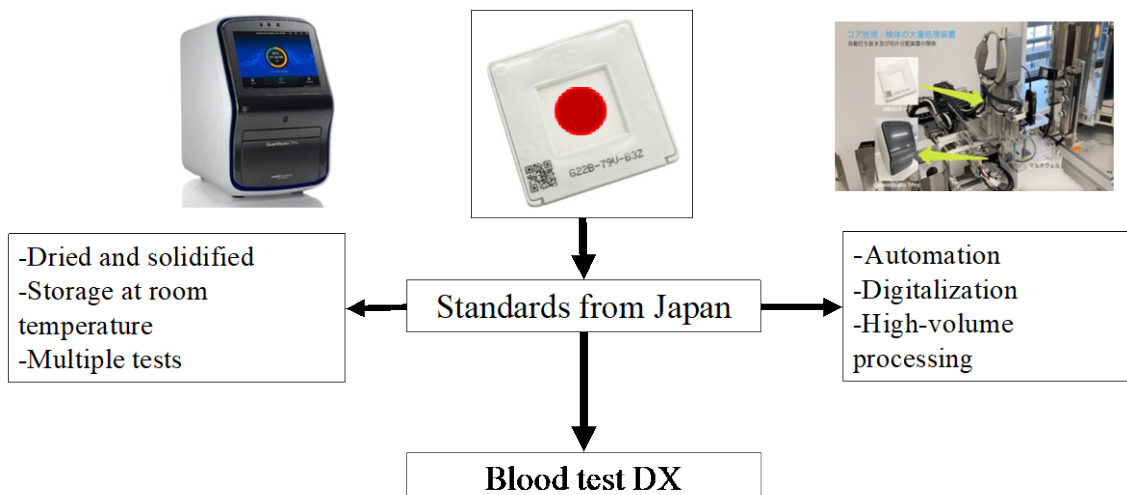
Press Release January 10, 2023

Joint creation of early menopausal disorder symptom screening test for women collecting a molecule of blood at home

Luna Doctor Co., Ltd. (Headquarters: Shinjuku-ku, Tokyo, President: Shinyu Chikato) and Universal Bio Sampling Co., Ltd. (Headquarters: Shinjuku-ku, Tokyo, CEO: Fumiaki Hirata) RIKEN venture company R Nano Bio Co., Ltd. (Head Office: Wako City, Saitama Prefecture, Representative Director: Yoshihiro Ito) and three companies have resources owned by each company. Utilizing our technology and know-how, we will start a project to co-create a female hormone test using trace amounts of blood ^(*) that can be collected at home.

Menopausal disorder symptom is a female-specific disease related to female hormones, and until now, blood sampling at a medical institution has been essential for early detection and treatment. In this project, we will utilize the trace blood sample management system "UBiSS ^(*)". We aim to provide early menopausal screening tests for women that can be carried out at home. As a result, examinations at medical institutions that take time and effort can be easily performed at home. A system will be established to receive it, leading to the realization of personalized care for gynecological diseases such as menopause. It is expected.

UBiSS Dried Blood Sample Test



<Luna Doctor Corporation>About>

Luna Doctor is a health-tech company that uses the power of technology to solve problems in the medical field, such as the development of online medical systems. Recognizing that conventional gynecological care is often troublesome and troublesome, and that women's illnesses have been overlooked, we aim to provide gynecological medical systems, services, and products that anyone can use more closely, more easily, and with peace of mind. In December 2021, we launched FemCHECK, a service that allows you to easily check for abnormalities in vaginal discharge at home without going to a gynecologist.

<Universal Biosampling Inc.About>

Universal Biosampling was established with the goal of "contributing to the health and well-being of all by providing an innovative platform that facilitates in vitro testing ~Person for community, community for person~". UBiSS utilizes dried blood samples using our proprietary UBiSS card and uses a coding system that loosely couples sample types and test types. We aim to digitize the entire process of printing on a card (patent pending), collection, transportation, pretreatment, analysis, notification of results, and storage.

December 2022 HealthTech Sam 2022 EY JAPAN Award

<R-NanoBio Inc.About>

R-NanoBio Co., Ltd. was established to implement advanced technologies researched and developed by RIKEN in society. The first commercialization is a system for allergy diagnosis using microarray chip technology using proprietary optical immobilization technology. It can detect IgE antibodies against 41 types of allergens in 30 minutes using a very small amount of blood collected from the fingertips, and is already sold as an in vitro diagnostic agent covered by medical insurance. By increasing the content that can be measured using this platform, we aim to accelerate the virtuous cycle of research and social implementation, and to realize new medical care and analysis systems by expanding it.

*1 Approximately 0.05 ml of blood collected from the fingertip compared to 5~10ml of normal blood collection per time

*2 A platform developed by Universal Biosampling to manage specimen collection, transportation, preparation, analysis, result notification, and storage in an integrated manner. Stands for Universal Bio-information Sampling System.

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