

Signing of an official partnership agreement with the Japan Sumo Association

Hirotsu Bio Science Inc. (head Office, Chiyoda-ku, Tokyo; President and CEO, Takaaki Hirotsu; “HIROTSU BIO SCIENCE”) is pleased to announce that we have entered into an official partnership agreement with the Japan Sumo Association (location, Sumida-ku, Tokyo; Chairman, Nobuyoshi Hakkaku; “JSA”). HIROTSU BIO SCIENCE will support the health of the sumo community by providing N-NOSE free of charge to JSA members and we will continue our educational activities to raise awareness of the importance of early cancer detection.

N-NOSE®, a primary screening test for cancer, developed and offered by HIROTSU BIO SCIENCE, takes advantage of the characteristics of nematodes, an organism with an excellent sense of smell, to detect cancerous odors in human urine. By entering into an official partnership agreement we are aiming to raise public awareness of the importance of early cancer detection by providing N-NOSE, which reacts to early stage 1 cancer, once a year, free of charge to JSA members, including sumo oyakata (stable masters) and rikishi (wrestlers), who wish to use N-NOSE as part of their health management.



Ichinojo who won the Makuuchi tournament in July 2022

Throughout the duration of the September Grand Sumo Tournament (15 days), to be held this month at the Kokugikan, we will sell our N-NOSE test kits in a special booth set up on the second floor.

We will continue our efforts to research and develop new technologies to protect the health of many people, aiming for a future in which it is standard practice to use N-NOSE in the early detection and treatment of cancer.

Comment by Shibatayama, Public Relations Director, Japan Sumo Association

We are extremely grateful to HIROTSU BIO SCIENCE for joining the Japan Sumo Association as an official partner. The JSA is working to carry on and develop traditional culture as a Shinto ritual with a 1500 year history. We believe that the health not only of JSA members but of all people is essential for such activities. We hope that HIROTSU BIO SCIENCE's N-NOSE will help with the early detection of cancer and enable people to live healthy lives.

Comment by Takaaki Hirotsu, President and CEO, HIROTSU BIO SCIENCE

Sumo is a traditional culture that Japan is proud of and so we are extremely honored to sign an official partnership agreement with the Japan Sumo Association. We hope that this initiative will raise awareness among sumo fans around the world of the features of N-NOSE, a primary screening test for cancer, and that this will lead to people incorporating the test into their health management.

■ About N-NOSE nematode cancer screening

N-NOSE is the world's first primary cancer screening test that utilizes "nematodes," microorganisms that are highly sensitive to the odor of cancer in human urine. Clinical research has shown that nematodes even respond to early-stage cancer (stages 0 and I), which is difficult to detect with conventional screening methods. The fact that cancer risk can be assessed in one test, regardless of the location in the body,* is another strength that sets N-NOSE apart from other tests.

* Types of cancer that nematodes are known to respond to: stomach, colorectal, lung, breast, pancreatic, liver, prostate, uterine, esophageal, gall bladder, bile duct, kidney, bladder, ovarian, oral/pharyngeal—15 types of cancer (as of September 2019)

HIROTSU BIO SCIENCE INC.

Founded: August 2007

President and CEO: Takaaki Hirotsu

Business: Research, development, and sale of a cancer screening test that utilizes the olfactory sensory functions of nematodes

Website: <https://hbio.jp/en/>

N-NOSE: <https://hbio.jp/en/srv/nnose1>