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To whom it may concern:

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To Deliver Specialty Pharmaceuticals Safely and Securely
Notice Regarding a New Constant-Temperature Transportation Device "SALM FZ" which Provides a Rigorous Temperature Control in a Wide Range of Temperature

TOHO HOLDINGS CO., LTD. (Headquarters: Tokyo; Representative Director, CEO: Atsushi Udoh) is pleased to announce that TOHO PHARMACEUTICAL CO., LTD. (Headquarters: Tokyo; President and Representative Director: Akira Umada), our wholly owned subsidiary, has newly developed, a Constant-Temperature Transportation Device “SALM FZ” for temperature control from -25°C to +4°C.

1. Background of Development

In recent years, the pharmaceutical distribution industry has seen an increase in specialty pharmaceuticals, including orphan drug and high-cost medicines, many of which require special management methods such as temperature control during the transport process. For the purpose of effective utilization of such specialty pharmaceuticals, in 2018, the Group introduced the "SALM Solution System," which is a pharmaceutical logistics system. That is realized through the combination of the Kyoso Mirai Group’s cutting-edge logistics functions and the Constant-Temperature Transportation Device "SALM TS" which provides a rigorous temperature control and record (for internal temperature control from +4°C to +37°C), and has been widely used and highly valued.

In response to the increasing number of cases where rigorous temperature control and transportation in freezing conditions are required for newly developed pharmaceutical products such as vaccines for COVID-19, "SALM FZ" has been newly developed and added to the lineup, and thus we will meet various needs in pharmaceutical distribution as a new "SALM Solution System" that enables rigorous temperature control in a wide temperature range of -25°C to +37°C.

2. Outline of “SALM FZ”

Temperature inside: The temperature can be set between -25°C to +4°C

Environment of usage: -10°C to +35°C

Electric power source: Built-in battery, included AC adapter

Outer dimensions: W400 × D250 × H330 mm

Internal dimensions: W135 × D135 × H210 mm

Weight: 10 kg (main body)

Recording: Internal temperature; outside air temperature; lid openings and closings; alarm information

Display/Notification: LCD screen display; LED display; buzzer alarm

3. Characteristics of Constant-Temperature Transportation Device "SALM"

(1) Steady supply of specialty pharmaceuticals

The “SALM” device is capable of stabilizing and maintaining an internal storage temperature because of the built-in refrigerator and the structure of the enclosure, and the ability to react with precision to changes in the surrounding temperature. Unlike constant temperature control with a refrigerant, the SALM is capable of recording its internal temperature and device conditions on the built-in recorder and hence enables the use of the data as evidence to determine whether the quality of the specialty pharmaceuticals inside is harmed. Such controlled storage complies with the Guidelines on Good Distribution Practice of Medical Products for Human Use and allows you to return and resell the products, helping you significantly reduce the risk of wasting expensive specialty pharmaceuticals.

(2) Temperature controllable until the moment of use

Because the “SALM” device is compact and lightweight for hand-carrying (SALM TS: 6.6 kg; SALM FZ: 10 kg), the pharmaceuticals inside can be delivered in constant temperature conditions from a logistics center or sales office to the medical institution or an operating room and the patient’s bed at a hospital. The SALM device is safe to use in medical institutions because the built-in refrigerator makes little noise, does not oscillate at all, and does not cause any radio interference with other medical devices. Our blood transport device of the same specs as the SALM is widely used in operating rooms, intensive-care units, and emergency medical centers.

(3) Contributing to reducing CO2 emissions

Compared with a refrigerant or dry ice used for constant temperature control, the “SALM” discharges less carbon dioxide during use. Using a SALM helps you reduce pharmaceuticals waste and the wasteful transport thereof. In other words, it helps you reduce carbon dioxide emissions from manufacturing and transportation processes.