

**Lilium Otsuka launches a healthcare home appliance, “Lilium Spot”,  
which can easily check urine volume in the bladder**

Lilium Otsuka Co., Ltd. (Head Office: Sagami-hara, Kanagawa, Japan; President and Representative Director: Isao Shirasaki; “Lilium Otsuka”) will launch Lilium Spot, with which people who have trouble with urination and their family members, and nursing care staff can confirm how much urine is accumulated in the bladder with an easy operation, in December.

Lilium Spot is a healthcare home appliance, with which level of accumulated urine can be visually and easily confirmed on the display at any time by using an ultrasound scanning. The product has audio guidance as well so that the first-time users can easily use it. Using the dedicated solution newly developed by Lilium Otsuka saves time wiping off the applied solution before use. The product will be available through the official Otsuka Pharmaceutical’s online store “otsuka-plus1.com” so that anyone can purchase it easily (Pre-orders will begin on November 15).

In a super-aging society, there is a growing need for excretion care in nursing care. Lilium Otsuka has marketed a medical device “Lilium  $\alpha$ -200<sup>\*1</sup>” which predicts urination timing using ultrasonic technology since 2015. By using know-how of development and manufacturing of medical devices it has cultivated, Lilium Otsuka has developed this new product which can be easily used by people who have trouble with urination and their family members, and nursing care staff, not medical devices which can be used only by healthcare professionals.

Kaoru Nishimura, an expert in the field of continence care (chairperson of nonprofit organization, Japan Continence Action Society<sup>\*2</sup>), said, “For people who live in nursing care facilities, the ability to urinate by themselves determines whether they can return home. It is a very important factor in considering their independence. We expect that the ultrasonic appliance, not a medical device, which can be used in nursing care and at home, will contribute to promoting urinary independence for people who need urination care and help them lead a life in their houses where they get used to living with dignity.”

Isao Shirasaki, president and representative director of Lilium Otsuka, commented, “Based on the needs we have heard from people working in urination care, we realized commercialization of a low-priced product with a simple operation. We hope that the product will be used at home and nursing care facilities and contribute to improving work efficiency, reducing burden in nursing care, and improving QOL of people who require nursing care.”

Based on the corporate philosophy of “Otsuka-people creating new products for better health worldwide,” the Otsuka Group is dedicated to contributing to the health of people around the world.

\*1 Liliu  $\alpha$ -200: Liliu  $\alpha$ -200 was developed by Liliu Otsuka and launched in November 2015. The product is a medical device which can visually indicate the amount of urine in the bladder noninvasively using ultrasonic technology. It can comprehensively evaluate bladder function by urine volume monitor (post-void residual measurement or 24-hour periodic measurement) and is useful for the care after removal of indwelling urethral catheters and removing diapers at an appropriate time. It is expected to become an effective tool for patients to support urinary independence and promote recovery at home.

\*2 Japan Continence Action Society: Nonprofit organization established in April 2009, which started as the “Incontinence Study Group” established in March 1989. The organization is aimed to contribute to creating a society where all people can excrete comfortably. To this end, it provides support and education, collects, manages, and provides information about prevention and treatment of urination disorder and promotion of adequate care management to all people, does research and development, conducts PR activities, and makes recommendations to society,

## Product information



|                       |  |
|-----------------------|--|
| Product name (model)  | Liliu Spot (S50C)  |
| Price at Otsuka plus1 | 90,000 yen (excluding tax)   |
| Weight/size           | 160 g/45 (W) × 40 (D) × 150 (H) mm   |
| Power                 | Built-in battery (with micro USB cable)  |
| Product outline       | Healthcare home appliance, with which the urine volume can be visually and easily checked at any time by using an ultrasound scanning. |

## Company Profile

### Lilium Otsuka Co., Ltd.

|                      |   |  |
|----------------------|---|--|
| Established          | : | January 29, 2015   |
| Capital              | : | 75 million yen   |
| Representative       | : | Isao Shirasaki, President and Representative Director  |
| Head Office          | : | 4-12-6, Chiyoda, Chuo-ku, Sagamihara, Kanagawa 252-0237, Japan                                 |
| Employees            | : | 18 (as of December 31, 2017)   |
| Business Description | : | Research and development, manufacturing, and marketing of medical devices and related products |
| Website (URL)        | : | <a href="http://www.lilium.otsuka/en/">http://www.lilium.otsuka/en/</a>                        |

### Otsuka Pharmaceutical Factory, Inc.

|                      |   |  |
|----------------------|---|--|
| Established          | : | October 7, 1969 (founded September 1, 1921)  |
| Capital              | : | 80 million yen   |
| Representative       | : | Shinichi Ogasawara, President and Representative Director  |
| Head Office          | : | 115 Kuguhara, Tateiwa, Muya-cho, Naruto, Tokushima 772-8601, Japan   |
| Employees            | : | 2,297 (as of December 31, 2017)  |
| Business Description | : | Manufacture, sale, import and export of clinical nutrition products and other pharmaceutical products, medical devices, functional foods, etc. |
| Website (URL)        | : | <a href="https://www.otsukakj.jp/en/">https://www.otsukakj.jp/en/</a>  |