

## VivaGel® condom receives final regulatory approval in Japan

**Melbourne, Australia; 2 January 2019:** Starpharma (ASX: SPL, OTCQX: SPHRY) today announced that the VivaGel® condom has received final regulatory approval and is now able to be marketed in Japan, following the completion of the Japanese Pharmaceuticals and Medical Devices Agency (PMDA) review of the product's medical device classification and associated data. This final approval follows on from the previously granted regulatory certification, which was attained for the VivaGel® condom.

Starpharma has worked closely with its commercial partner for Japan, Okamoto Industries (Okamoto), throughout the regulatory process. Okamoto has already commenced key launch preparations, including labelling and manufacturing activities, and plans to launch the VivaGel® condom in the first half of 2019. Starpharma will be eligible to receive royalty payments under its licence with Okamoto.

Okamoto is Japan's leading marketer of condoms with a majority share of the Japanese condom market, which is one of the world's largest condom markets and estimated to be in the order of US\$500 million per annum<sup>1</sup>. Okamoto has sales revenue of more than US\$1.1 billion and around 2,600 employees. In addition to its dominant position in the Japanese condom market, Okamoto also holds strong market positions in several other Asian markets, including Korea, Taiwan, Malaysia, Singapore and China.

Starpharma Chief Executive Officer, Dr Jackie Fairley, said, "This regulatory achievement marks a key commercial milestone for the VivaGel® condom, particularly given the significant value of the Japanese condom market and our partner's leading market position. Okamoto has an outstanding product portfolio and heritage in the successful commercialisation of new products and we're very excited to soon see VivaGel® condoms for sale in Japan."

Okamoto's senior managing director, Mr. Keiji Ikeda, has noted that condoms with functional coatings and gels represent the next wave of innovation in the Japanese condom market following on from a previous focus on condom thinness. Mr. Ikeda said, "We are very pleased to be in a partnership with Starpharma for this innovative product and excited about its upcoming launch."

The VivaGel® condom is also approved for sale in Australia and Canada, and further regulatory reviews continue in a number of other geographic regions.

### **About the VivaGel® condom**

*The VivaGel® condom is a world-first product based on innovative Australian technology. It is the only condom of its type, providing barrier protection and incorporating the proprietary compound, astodimer sodium (SPL7013, VivaGel®) in the condom lubricant. VivaGel® has been proven in laboratory studies to inactivate up to 99.9% of HIV, HSV and HPV.*

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#### **About Starpharma**

Starpharma Holdings Limited (ASX: SPL, OTCQX:SPHRY), located in Melbourne Australia, is an ASX 300 company and is a world leader in the development of dendrimer products for pharmaceutical, life science and other applications.

Starpharma's underlying technology is built around dendrimers – a type of synthetic nanoscale polymer that is highly regular in size and structure and well suited to pharmaceutical and medical uses. Starpharma has two core development programs: VivaGel® portfolio and DEP® drug delivery with the Company developing several products internally and others via commercial partnerships.

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<sup>1</sup> Market Data Bank (MDB) Report issued February 2009, Condoms: A Global Strategic Business Report and Industry Data



**VivaGel®:** Starpharma's women's health product - VivaGel® BV is based on SPL7013, astodimer sodium, a proprietary dendrimer. VivaGel® BV is approved for marketing in the EU and Australia for bacterial vaginosis (BV) and a new drug application is under Fast Track review by the US FDA. Starpharma has licensed the sales and marketing of VivaGel® BV to Mundipharma for Europe, Russia, CIS, Asia, the Middle East, Africa and Latin America; and to Aspen Pharmacare for Australia and New Zealand. Starpharma also has licence agreements to market the VivaGel® condom (an antiviral condom which includes VivaGel® in the lubricant) in several regions, including Japan (Okamoto), Australia, Europe, Canada and China. The VivaGel® condom has been launched in Australia and Canada under the Lifestyles® Dual Protect™ brand.

**DEP® - Dendrimer Enhanced Product®:** Starpharma's DEP® drug delivery platform has demonstrated reproducible preclinical benefits across multiple internal and partnered DEP® programs, including improved efficacy, safety and survival. Starpharma has two internal DEP® products – DEP® docetaxel and DEP® cabazitaxel - in clinical development in patients with solid tumours, and further DEP® products approaching clinical development. Starpharma's partnered DEP® programs include a multiproduct DEP® licence with AstraZeneca, which involves the development and commercialisation of two novel oncology compounds, with potential to add more.

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#### Forward Looking Statements

This document contains certain forward-looking statements, relating to Starpharma's business, which can be identified by the use of forward-looking terminology such as "promising", "plans", "anticipated", "will", "project", "believe", "forecast", "expected", "estimated", "targeting", "aiming", "set to", "potential", "seeking to", "goal", "could provide", "intends", "is being developed", "could be", "on track", or similar expressions, or by express or implied discussions regarding potential filings or marketing approvals, or potential future sales of product candidates. Such forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause actual results to be materially different from any future results, performance or achievements expressed or implied by such statements. There can be no assurance that any existing or future regulatory filings will satisfy the FDA's and other authorities' requirements regarding any one or more product candidates nor can there be any assurance that such product candidates will be approved by any authorities for sale in any market or that they will reach any particular level of sales. In particular, management's expectations regarding the approval and commercialization of the product candidates could be affected by, among other things, unexpected trial results, including additional analysis of existing data, and new data; unexpected regulatory actions or delays, or government regulation generally; our ability to obtain or maintain patent or other proprietary intellectual property protection; competition in general; government, industry, and general public pricing pressures; and additional factors that involve significant risks and uncertainties about our products, product candidates, financial results and business prospects. Should one or more of these risks or uncertainties materialize, or should underlying assumptions prove incorrect, actual results may vary materially from those described herein as anticipated, believed, estimated or expected. Starpharma is providing this information as of the date of this document and does not assume any obligation to update any forward-looking statements contained in this document as a result of new information, future events or developments or otherwise.