





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 health authorities' requirements regarding any one or more product candidates nor can there be any assurance that such product candidates will be approved by any health 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 clinical trial results, including additional analysis of existing clinical data, and new clinical 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 presentation 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.

Overview: Starpharma Holdings Limited (ASX:SPL)







- Deep portfolio of products targeting three large, high value & diversified markets
- Proven track record of commercialisation the VivaGel® condom in-market & with two other late stage products under development or awaiting launch
- Successful global partnerships in place, creating significant optionality, accelerating path to market & managing investment risk
- ➤ Well-funded, with cash reserves of \$46M (30/6/16)





Ansell









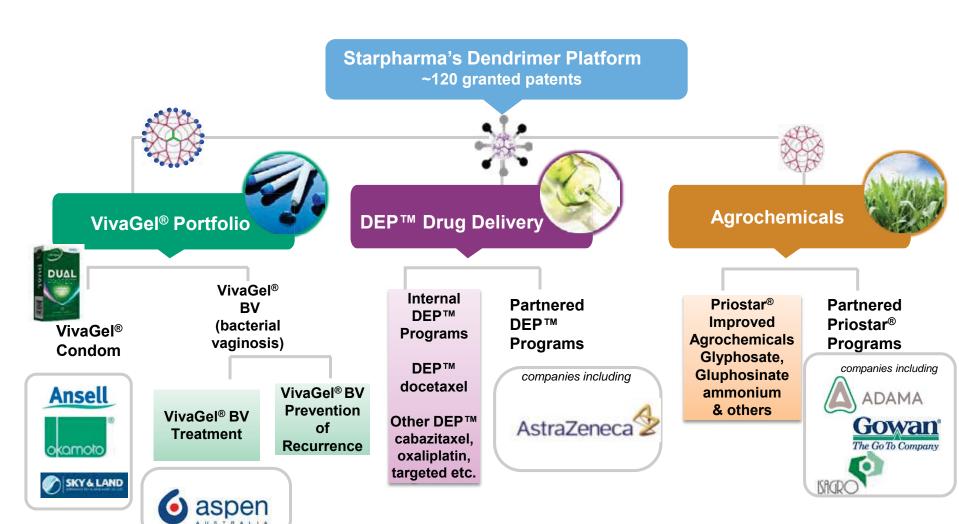


Starpharma's headquarters and laboratories Melbourne, Australia

A global leader in dendrimer products



Starpharma's portfolio includes multiple commercial partnerships with leading companies







DEP™ Drug Delivery



DEP™ Drug Delivery

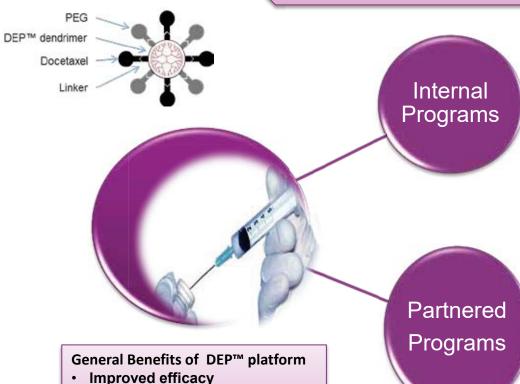
Reduced toxicity

· Improved solubility

Improved pharmacokinetics

Dual Strategy

Provides technical, IP and financial leverage Increases commercial opportunities Reduces invested capital De-risks



- •Applies DEP™ to generics
- Creates new patented agents
- Self funded
- •Return through licensing eg. DEP™ docetaxel

drugs (existing or new) ·Creates new patented agents(lifecycle mgt.)

- Platform with very broad application
- •Return through milestones and royalties eg. AstraZeneca

- •Application DEP™ to partner
- Funded by partner



Extensive partner engagement to maximise commercial outcomes





Starpharma's DEP™ Delivery License with AstraZeneca (LON:AZN)



"SPL estimates that each product successfully commercialised under this agreement could be worth around US\$450m to Starpharma and, depending on the range of indications and degree of commercial success in the market, potentially significantly more"

- AZ multi-product license for use of DEP™ delivery platform for the development and commercialisation of proprietary AZ compounds directed at a defined family of targets
- SPL eligible to receive development, launch and sales milestones for the first AZ DEP™ product of up to USD\$126m plus royalties & up to USD\$93m in milestones for each subsequent qualifying AZ DEP™ products
- Tiered royalties on net sales
- AZ funds all development and commercialisation costs
- DEP[™] docetaxel not impacted and agreement field allows for multiple other DEP[™] licences
- Received US\$2M in H1 FY2016



meeting with AZ

"We already have a long-standing and successful working relationship with Starpharma. This license agreement will enable us to further harness the DEP™ technology and evaluate its potential across novel molecules within our oncology portfolio."

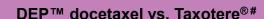
Dr Susan Galbraith, Head of the Oncology Innovative Medicines Unit at AstraZeneca

starpharma AstraZeneca DEP™ Multi-Product License Indication #1 AZ Candidate #1 AZ licensed field Indication #2 Indication #3 Candidate 1: US\$126M milestones + royalties Indication #1 New product: AZ Candidate #2 Indication #2 outside current deal Indication #3 Candidate 2: US\$93M milestones + royalties Indication #1 AZ Candidate #3 Indication #2 Indication #3 Candidate 3: US\$93M milestones + royalties Remaining IP available for Indication #1 **DEP licenses** AZ Candidate #4... Indication #2 Indication #3 Candidate 4: US\$93M milestones + royalties DEP Intellectual Property (IP) Nominated by AZ in September & November 2015 respectively



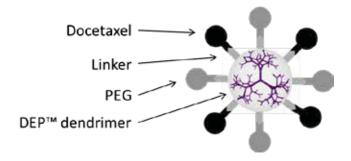
Starpharma's DEP™ Docetaxel: Multiple Benefits

- Docetaxel (Taxotere®) is a blockbuster chemotherapeutic
- Docetaxel sales: US\$3.1B (2012)
- Docetaxel is used in major cancers including breast, prostate, lung and ovarian cancer
- Starpharma's DEP™ docetaxel has important advantages compared to Taxotere®#
- DEP™ docetaxel patents filed will offer coverage to 2032 (potential for further filings)
- DEP[™] docetaxel Phase 1 trial no neutropenia, hair-loss and promising efficacy signals



- Elimination of major dose-limiting side effect (neutropenia)
- 2. Detergent-free formulation (less toxic)
- 3. Tumour targeting (40-70x more)
- 4. Extended duration (half-life)
- Improved efficacy (breast, ovarian, prostate)

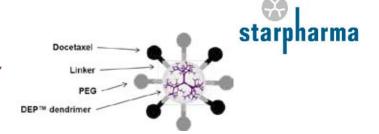




DEP™ docetaxel

DEP™ Docetaxel Preclinical Findings:

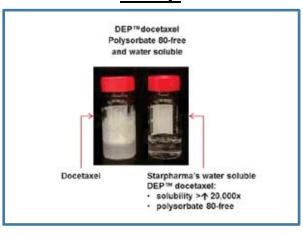
Multiple advantages - Better efficacy and less toxicity



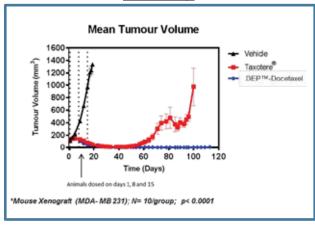


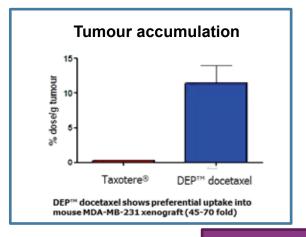
	Plasma Half Life (hours)*
DEP™- Docetaxel	39
Taxotere®	0.5
DEP™ docetaxel for plasma t _{1/2} by >75-	

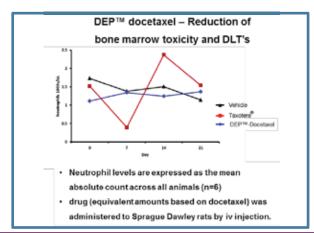
Safety

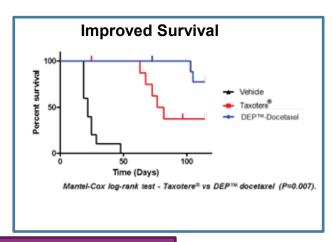


Efficacy











DEP™ Docetaxel Phase 1 Clinical Trial: Encouraging anticancer activity and no neutropenia

- Ongoing open label study, approx. 25-30 cancer patients (various solid tumours)
- DEP™ docetaxel administered intravenously (no steroid pre-treatment or anti-emetics required unlike Taxotere®)

Current status:

- Patients dosed up to & above commonly used Taxotere® dose of 75mg/m² multiple cycles (up to 6 cycles)
- Final phase of enrolment underway; >80% recruited
- Large UK site recently opened will enrich final patient cohort with specific tumour types and facilitate transition to Phase 2

Findings:

- No neutropenia (docetaxel dose limiting toxicity) or alopecia (hair loss) reported
 - Compared to Taxotere® where severe neutropenia is suffered by 75% of patients dosed 60mg/m²^
- A significant proportion of DEP™ docetaxel patients have exhibited efficacy signals/anticancer activity
- Efficacy signals for DEP™ docetaxel seen
 - at low doses and in cancers not typically responsive to docetaxel
 - in pancreatic (SD* > 20 wks), oesophageal (SD > 18wks), prostate, lung, H&N, and brain tumours

Phase 2:

Planning and preparations now well advanced including CRO, trial design, KOLs, sites; clinical trial material manufacture underway

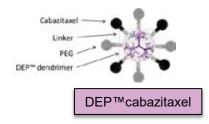


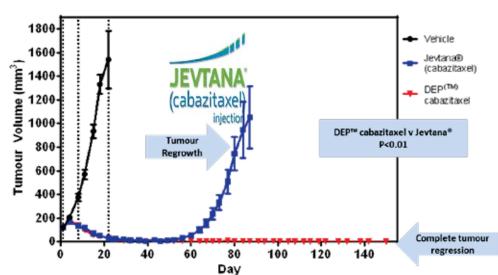
DEP[™]cabazitaxel:

Significantly improved efficacy in breast cancer model*

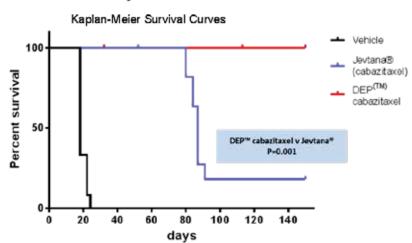
About Cabazitaxel (Jevtana®)

- 2015 sales: US\$427m (+18%)
- Primary indication Prostate cancer
- In development for various other cancer including breast, bladder, Head and Neck and others
- Dose Limiting Toxicity neutropenia (FDA "Black box" warning)
- FDA "Black box" warning due to anaphylaxis (Polysorbate 80 detergent)





Tumour Volumes



MDA-MB-231 (human breast tumour) xenograft model in Balb/c nude mice

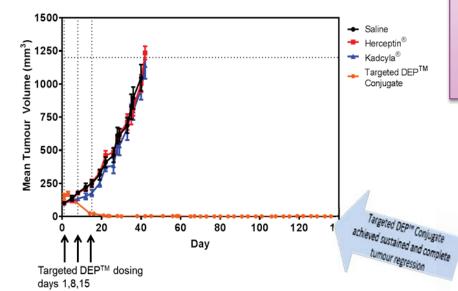


Targeted DEP™ outperforms leading treatments in ovarian cancer model

Targeted DEPTM

Drug/Payload
Targeting group
PEG

Efficacy of HER2-targeted DEP™ Conjugate vs Kadcyla® and Herceptin® in an Ovarian* Cancer Model

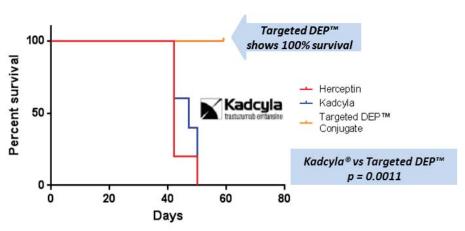


*SKOV-3 Ovarian cancer xenograft in NOD-SCID mice (5-6/group)
Saline, Kadcyla® (10mg/kg) and Targeted DEP™ conjugate were dosed once/wk for 3 wks; Herceptin® (20mg/kg) dosed twice/wk for 3 wks.

Statistical analysis at day 40. Kadcyla® vs Targeted DEP™; P <0.0001. (ANOVA followed by Tukey's post hoc test).

- SPL's novel antibody-targeted DEP™ conjugate resulted in complete tumour regression and 100% survival in an ovarian cancer model
- The antibody-targeted DEP[™] conjugate (using Herceptin as the targeting group) significantly outperformed both Roche's Kadcyla[®] (T-DM1) and Herceptin[®] alone
- 2 targeted DEP™ partnerships recently signed with major players antibody-drug-conjugates

Kaplan Meier Survival Curve





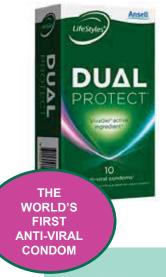
VivaGel® Condom: A compelling, world-first product



- Typical condom use associated with: ~80% reduction in HIV, 30% reduction in genital herpes (HSV-2) and ~ 70% reduction in risk of HPV infection
- VivaGel® Condom contains a potent antiviral and reduces risk of exposure to viruses via viral inactivation - VivaGel® shown in laboratory studies to inactivate up to 99.9% HIV, HPV & HSV-2 & near complete antiviral protection against Zika virus
 - VivaGel® Condom has been licensed to Market Leaders:
 - Ansell No. 2 globally
 - Okamoto No. 1 in Japan (#4 globally)
 - Shenyang Sky and Land a leading supplier to Chinese Government Market
- Currently marketed by Ansell under **LifeStyles® Dual Protect™** brand (approved in Australia, NZ, Canada with advanced regulatory processes in other regions)
- Branded global condom market: \$1.1B
- VivaGel[®] Condom patents to 2027







DUAL
PROTECT™
with VivaGel®:
lubricated with
VivaGel® which
has been shown
to inactivate up
to 99.9% HIV,
HPV and HSV
(Herpes) in
laboratory
studies



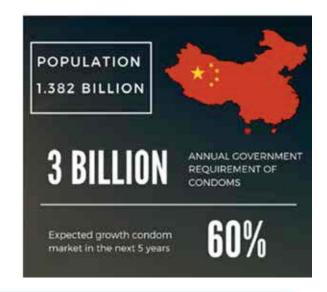
VivaGel® condom license for the Chinese Government Market





- Exclusive license and supply agreement signed with Shenyang Sky and Land Latex Co. Ltd. for manufacture and sale of VivaGel® condoms to the Chinese Government market (July 2016)
- New market opportunity for VivaGel® condoms
- Sky and Land is a major provider of condoms to the Chinese Government (annual requirement ~ 3 billion condoms)

CHINA





Starpharma 签署 VivaGel®避孕套在中国的授权

澳大利亚都尔丰-(BUSINESS WIRE)--(美国商业团批)-- 澳大利亚生物科技公司 Starpharma Holdings Ltd (ASXSPL)(OTCQXSPHRY) 七月二十一日宣布,与范里天地乳胶有限公司 (天地公司) 签案提出性授权和供贷协议,面向中国建学省市场的政府银分市场生产和销售 VivaGel*是学者,该协议之前,Starpharma于 2015年12 均与天地公司签署了诗解答忘录。

天地公司是一家拥有多元化业务的中部公司,在中间拥有并运营多家避孕念生产工厂。该公司是 面向中国政府的主要避孕靠供应商,中国政府通过若干项目向其公民提供避孕靠,每年的需要 30 亿几路孕愈。



Bacterial Vaginosis and VivaGel® BV Two product opportunities

Bacterial Vaginosis (BV):

- Most common vaginal infection worldwide
- ~29% women infected in US; up to 51% in some groups
- Recurrent BV an issue in 50-60% of BV sufferers
- Current therapies have low cure rates and nasty side effects
- No approved products for Recurrent BV (R-BV)



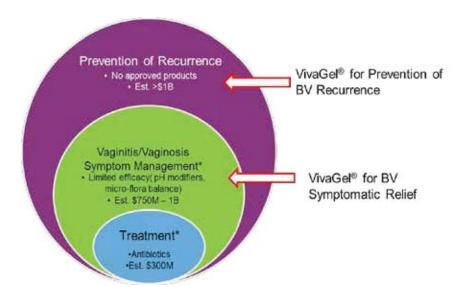
Large market opportunity for both prevention of R-BV and BV Treatment/Symptomatic Relief





- "It was like gone almost overnight"
- "I would definitely use it again."
- "The next day I noticed a huge difference."
- "I would use it....I will use it indefinitely..."

VivaGel® BV Trial Participants



VivaGel® BV: Product Proposition

- a non-antibiotic therapy
- management of BV symptoms and prevention of R-BV
- a selective antimicrobial effect for pathogens that cause BV
- a local effect and is not systemically absorbed
- bio-adhesive properties



VivaGel® BV:

Two attractive commercial opportunities







VivaGel® BV

Treatment &

Symptomatic

Relief

VivaGel® BV

Prevention

of

recurrence

- Acute use product
- Global market est. >US\$750 m
- EU marketing approval achieved Treatment of BV, including rapid relief of BV symptoms
- Regulatory approval underway in multiple regions
- Licensed to Aspen for ANZ
- Multiple well-advanced partnering discussions underway (regional & global)
- commercial manufacture underway; 2016 launch planned
- Recent FDA Guidance opens up a significant new opportunity

Benefits of VivaGel® BV

- Rapid resolution of symptoms
- Non-antibiotic
- Not systemically absorbed
- Good tolerability
- Selective antimicrobial effect

- Chronic use product
- Unmet need: no approved products;
- Global market est. >US\$1 b
- Majority of BV sufferers experience recurrence
- SPA agreement with FDA in place
- Phase 3 programme 100% recruited (Results Q2 CY17)
- Partnering discussions ongoing, NDA planning underway

Advanced licence negotiations underway for multiple regions



Starpharma's Priostar® Agrochemical Programs



Partnered Priostar® Programs

- Adama have licensed SPL's Priostar® for novel and improved 2,4-D products for the US market
- Multiple new agreements have been signed or extended with major agrochemical companies for the European, Asian and North American markets
- Collaboration with major Japanese agrochemical company;



- Multiple potential opportunities for revenue streams
- Estimated value of partners share of market for actives under development: >US\$5B

Internal Priostar® Programs

 Regulatory compliant field trials of Priostar[®] enhanced versions of several major herbicide and fungicide formulations completed showing a number of commercially compelling benefits

	Glyphosate	(\$4-5B)	Improve efficacy	
Gluphosinate NH ₄ (\$400m)		H ₄ (\$400m)	Improve Efficacy	
	Metolachlor	(\$605m)	Improve efficacy	
	Deltamethrin	(\$340m)	Improve efficacy/ low solvent	
	Propiconazole	(\$350m)	Improve efficacy / Loading	
	Imidacloprid	(>\$1B)	Improve efficacy / Loading	

Priostar® benefits for innovative crop protection formulations

Better in the can:

- Solubility enhancement
- Increased loading
- Formulation stability
- Reduction/removal of solvents "greener" formulations

Better in the field:

- Increased efficacy
- Modification of soil penetration
- Protection of Actives

Adama Licenses Priostar® for novel 2,4-D products





Adama is one of the world's leading crop protection companies with annual sales of US\$3.2b and one of the most comprehensive portfolios of differentiated products sold in more than 120 countries.

Adama is privately held by ChemChina and Koor Industries.



- Adama have licensed SPL's Priostar® for novel, improved 2,4-D products for the US market
- Priostar® enhanced product expected to provide better flexibility, weed control and improved safety
- SPL to receive royalties; Adama to fund development and registration
- 2,4-D is the second largest herbicide globally with sales of US\$680m

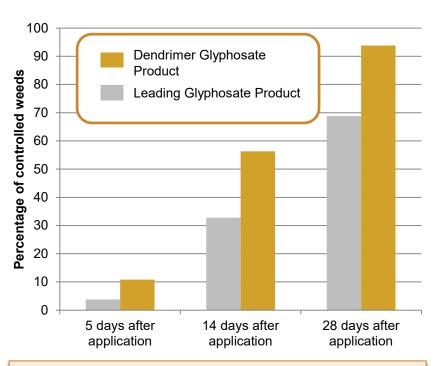
"The innovative nature and superior performance of the Priostar® formulations fit well with our strategy to deliver simple and efficient solutions to farmers to help them grow."

Sami Shabtai, Head of Innovative Development at Adama



Priostar® Dendrimer Glyphosate Formulation – Field Trials More effective in hard-to-kill weeds than comparable marketed formulation





Proposition:

Priostar® offers a unique opportunity to develop value-added, IP-protected agrochemical formulations with less expense and risk than new cropprotection actives

- Dendrimer product more effective in a number of hard-to-kill weeds than comparable marketed glyphosate product
- 7 regulatory-compliant field trials have now been completed
- Tested in 16 weed species in Australia and overseas

Conclusion: Priostar® formulation performance has consistently exceeded marketed formulations in these field studies.

- Two key benefits identified with Priostar® formulation:
 - Better overall effectiveness

Dendrimer formulation leaves only minimal number of weeds alive at end of study whereas the marketed product had > 30% survival.

Early feedback of effectiveness to grower

3 to 4 times as much "brownout" after 5 days than marketed product



Starpharma Holdings – Key Financials FY16 Strong Financial Position

Key Financial Data	FY 2016 AUD \$M	FY 2015 AUD \$M
Total revenue & other income	4.6	1.7
R&D Tax Incentive	3.5	3.5
Net loss after tax	(22.7)	(19.0)
Net Cash Burn ¹	(17.5)	(13.7)
Closing Cash (30 June)	46.0	30.8

Net cash burn is considered a non-IFRS value and has not been audited in accordance with Australian Accounting Standards. Net cash burn is calculated by the movement in cash and cash equivalents at 30 June of the applicable year adjusted for net proceeds on the issue of any equity

Outlook: Multiple upcoming development and commercial milestones



VivaGel® Portfolio

DEP™ Drug Delivery

Priostar® Agrochemicals



- Further regulatory approvals for VivaGel[®] BV for Treatment & Symptomatic Relief
- Further licenses for VivaGel[®] BV marketing (multiple territories)
- Launch of VivaGel[®] BV for Treatment & Symptomatic Relief
- Completion Phase 3 Prevention of BV Recurrence trials for VivaGel[®] BV & commercialisation
- Further approvals and geographic roll-out of the VivaGel[®] condom with multiple partners



- Completion of DEP™ docetaxel
 Phase 1 clinical trial and
 commencement of Phase 2
- AZ program announcements milestones, further compounds advanced
- Other Partnered DEP™ deals
- Additional internal DEP™
 candidates advanced through
 preclinical and into the clinic



- Progress with Adama 2,4-D Priostar[®] license
- Further Priostar[®] licenses and commercial arrangements and regional expansion of existing deals
- Advance internal Priostar®
 candidates eg. glyphosate and
 gluphosinate ammonium:
 regulatory-compliant field trials
 and pre-registration activities to
 support commercialisation



For Further Information

Dr Jackie Fairley, CEO +61 3 8532 2704 Investor.relations@starpharma.com

www.starpharma.com

Twitter: @Starpharma_ASX





VivaGel®



DEP™ Drug Delivery



Agrochemicals

