



# Investor Presentation

Frankfurt, 20 November 2018

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# What is Personalized Medicine?



Tailoring of a treatment to the personal characteristics of a person, based on the genes, proteins and lifestyle



Genetic test to reveal predisposition to diseases



Prevention of diseases



Early detection of diseases



Accurate diagnosis

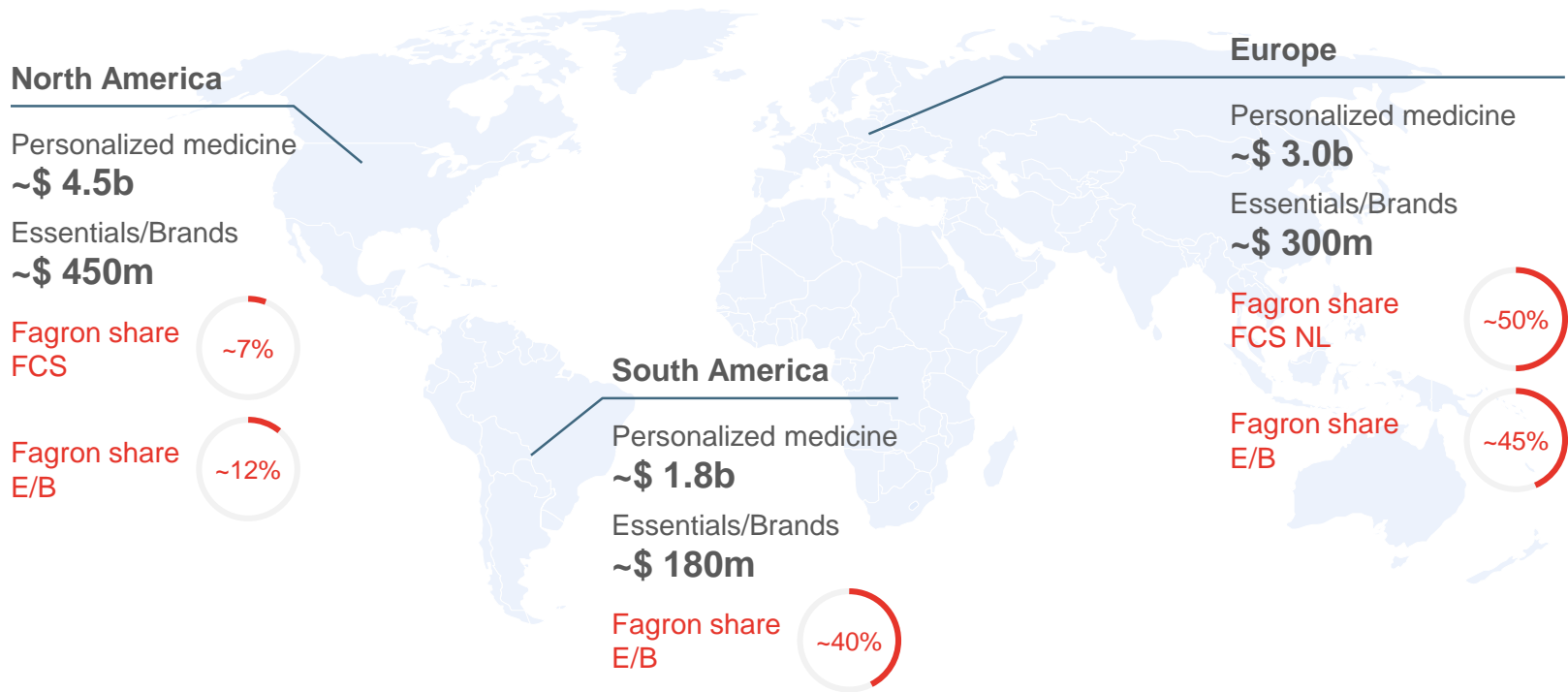


Personalized treatment

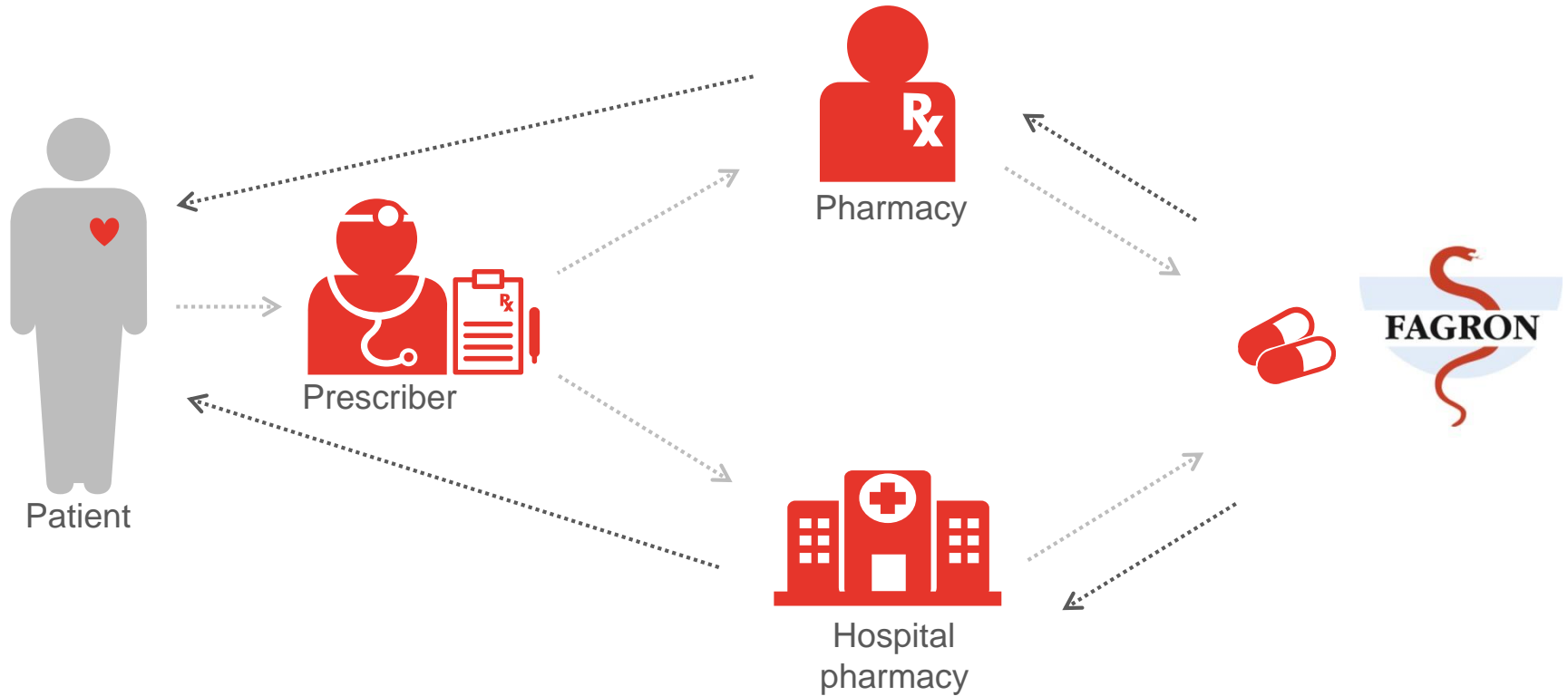
# Global Market for Personalized Medicine



# Global Market for Personalized Medicine



# Process from Prescriber to Patient



# Pharmaceutical Art





FSBA  
Hoogeveen, NL





FCS Belgium  
Bornem, BE



Pharmaline  
Oldenzaal, NL



Fagron Greece  
Trikala, GR



Pharma  
Analisa

Infinity Pharma  
Campinas, BR



EMERGENCY USE ONLY  
NO ENTRY

Fagron Sterile Services  
Wichita, US

## Fagron France

Thiais – France





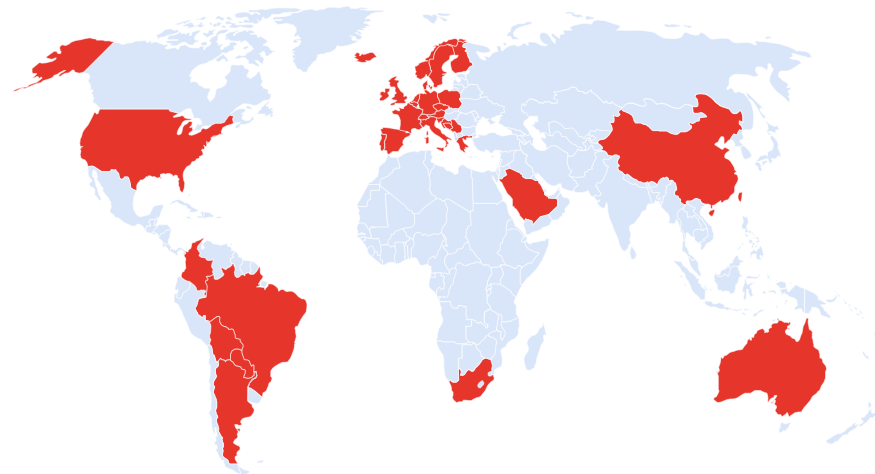
**F**armaceutische **GRON**dstoffen  
Founded in 1990

Global leader in personalized medicine

Complying with highest quality standards

Scientific driven product innovations

Disciplined acquisition strategy, creating synergies and cross-selling opportunities



35

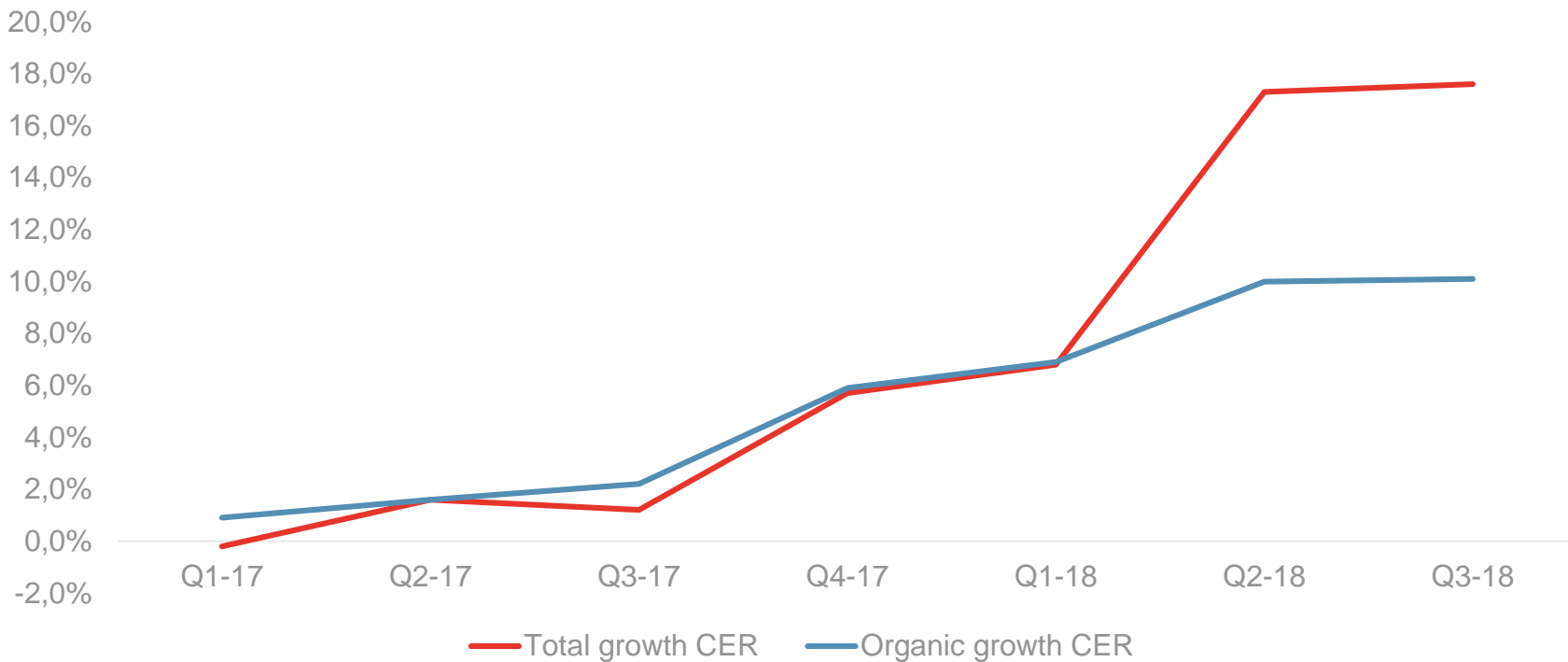


51



2,354

# Fagron Growth Development





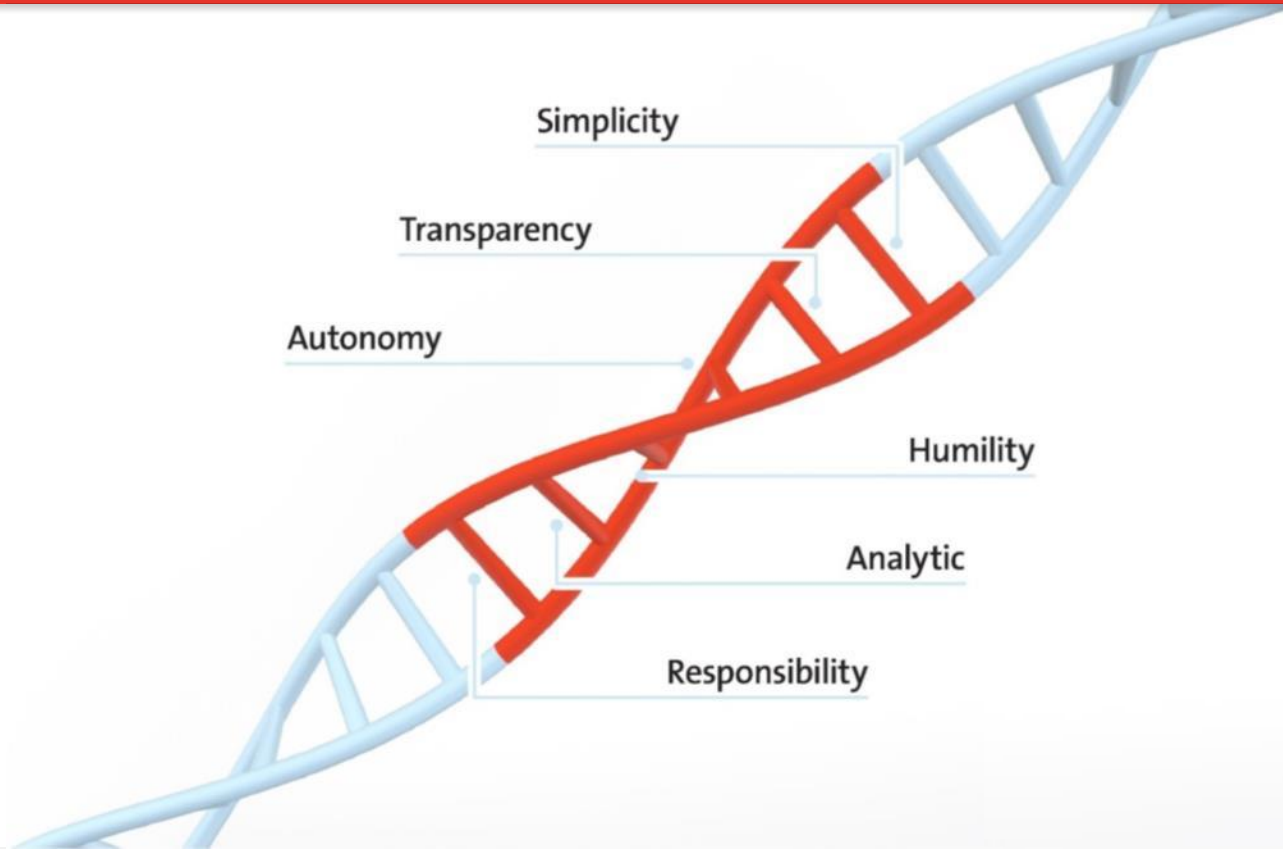
# Fagron DNA, Strategy and Leadership



## Fagron South Africa Johannesburg - South Africa



# Fagron Family Rules



# Fagron Values



Customer  
is number 1



Speed of  
execution



Entrepreneurship



Creativity



Quality

# Fagron Strategy

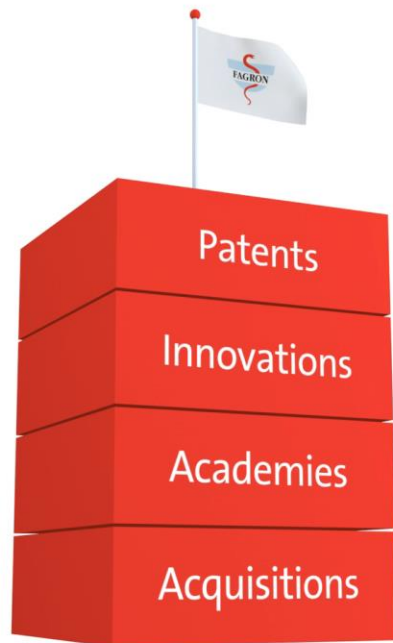


# Fagron Strategy



# Fagron Strategy

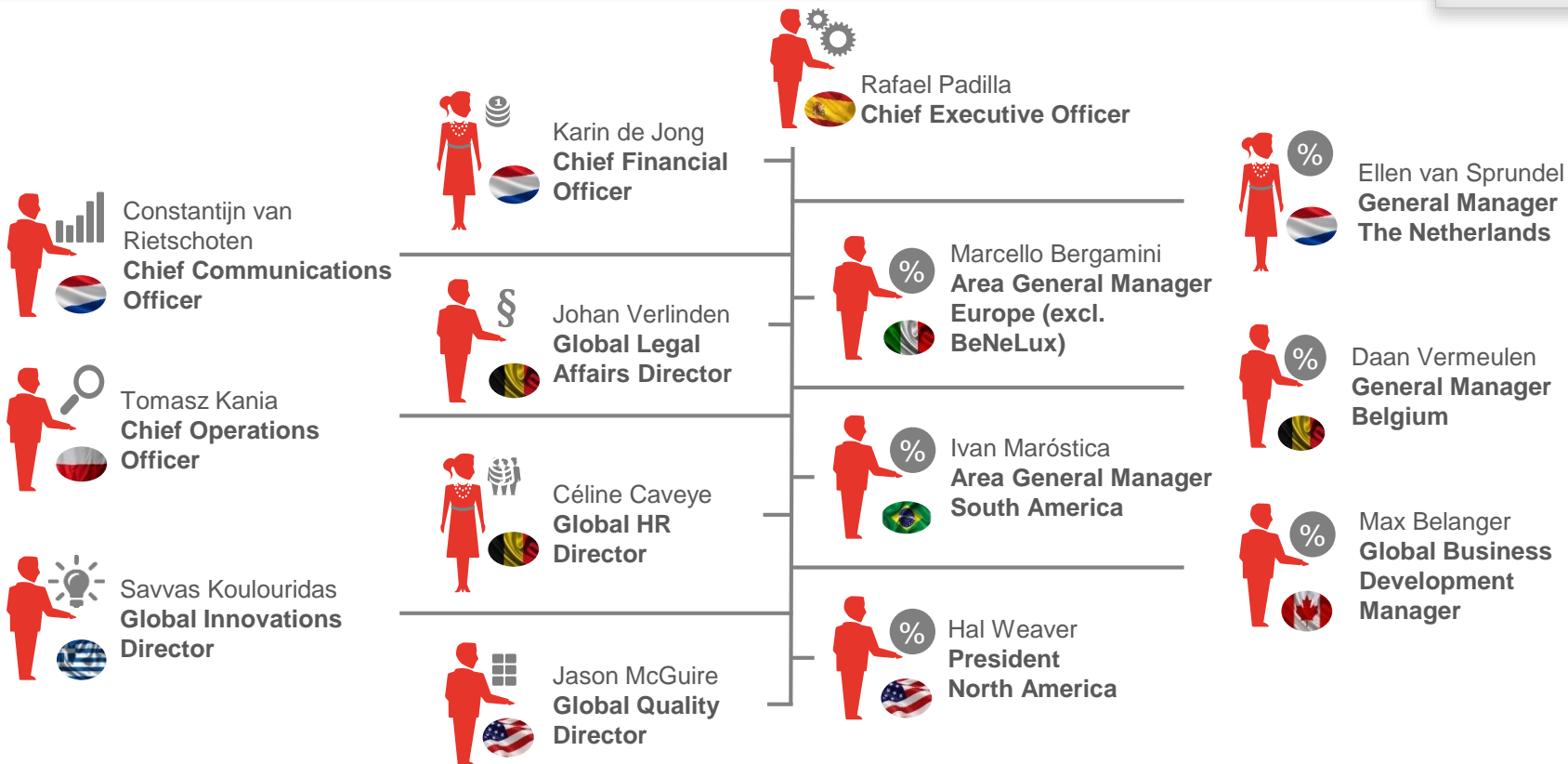








# Fagron Leadership Team



# Fagron Innovations



## Fagron Technologies Jundiai - Brazil



# Fagron Technologies



- **Digital** solutions for compounding pharmacies
- Market leader in Brazil (>50%)
- Launch in US scheduled for 2019



Prescriber



Customer



Pharmacy



## Phyto**complex** that promotes relaxation

A 3D illustration of a human brain, split vertically. The left half is a solid, reddish-pink color, while the right half is a semi-transparent, wireframe-like grey. Four red circular markers with white numbers are placed along the right side of the brain, corresponding to the list items.

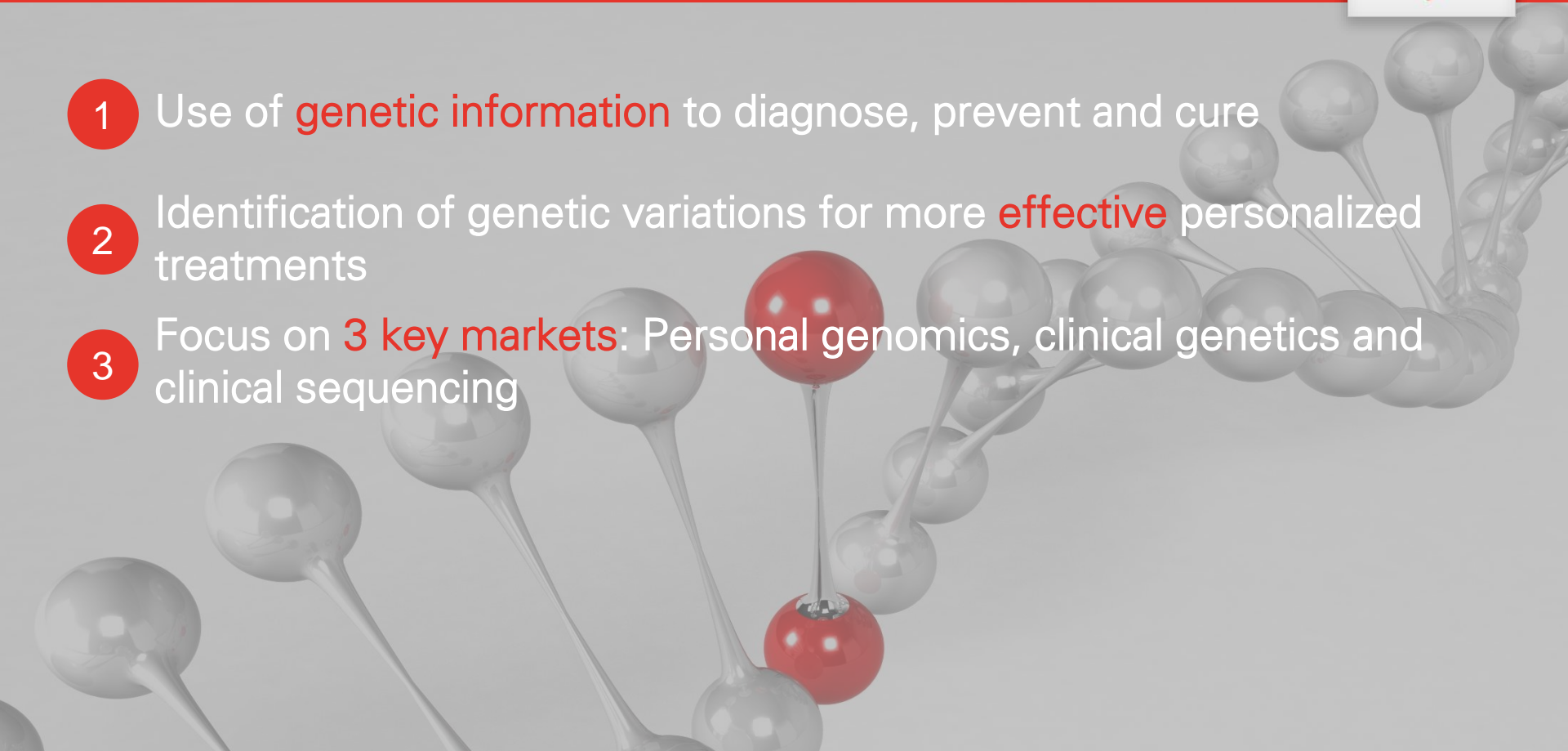
1 Improves quality of sleep

2 Quick effect

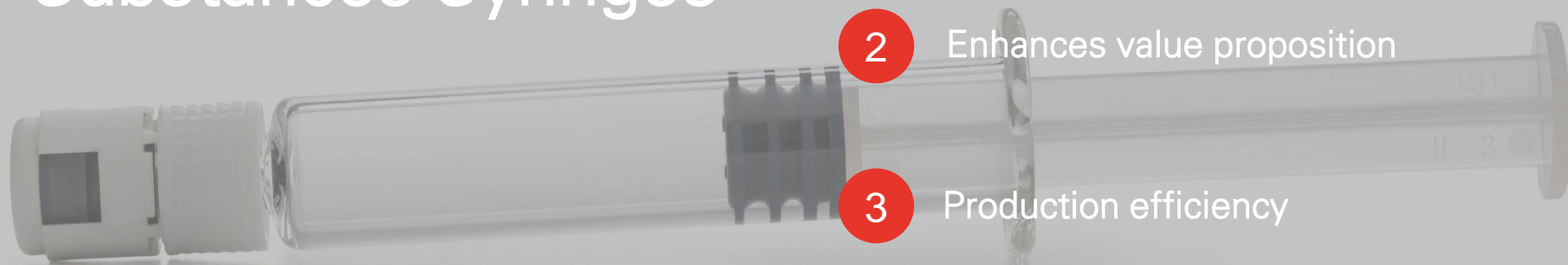
3 No toxicity

4 Mechanism of action

- 1 Use of **genetic information** to diagnose, prevent and cure
- 2 Identification of genetic variations for more **effective** personalized treatments
- 3 Focus on **3 key markets**: Personal genomics, clinical genetics and clinical sequencing



## Sterile **Controlled** Substances Syringes



1 Acceleration of top-line growth

2 Enhances value proposition

3 Production efficiency

4 Project timeline: Q1-2019



- Fagron developed and introduced MioDesin® and Gestrinone in Pentravan® for the treatment of Endometriosis and Leiomyoma

ISSN: 2573-9563  
**Research Article** *Journal of Clinical Review & Case Reports*  
**Treatment of Endometriosis and Leiomyoma with the Association of Miodesin and Gestrinone in Pentravan Through the Vaginal Route**  
 Hugo Maia<sup>1</sup>, Wilson Saback<sup>2</sup>, Clarice Haddad<sup>3</sup> and Paulo R. Stryz<sup>4</sup>  
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 \*Corresponding author: Hugo Maia, Instituto de Mulheres, Fagron Memorial Hospital (I.M.), Caixa Postal, Universidade Federal do Paraná, Curitiba, PR, Brazil. E-mail: hugomaia@fagron.com.br  
 Received: 09 Sep 2018; accepted: 17 Sep 2018; Published: 30 Sep 2018  
**Abstract:** Introduction: The effects of Miodesin® (Fagron) on uterine volume and pain scores were investigated in a group of patients with endometriosis and endometriosis. Miodesin® was used either alone or in combination with vaginal gestrinone.  
**Patients and Methods:** Forty-two patients with uterine leiomyoma and endometriosis were enrolled for this study and divided into 2 groups according to the treatment received. In Group A (n=20), they were treated with a single dose of vaginal gestrinone (100 µg) once a week for 6 weeks. In Group B (n=22), patients received a single dose of endometriosis 2.2 mg plus a single dose together with vaginal Miodesin® (100 µg) once a week. In Group A, 10 (50%) patients were treated only with Miodesin®. All medications were administered regularly throughout a 6-week period.  
**Results:** The average uterine size before treatment was 200 (sd: 13.6) and 212 (sd: 24.6) cc in group A and B, respectively and they were not statistically different. After the second month a significant reduction in uterine volume was observed in all treated groups. However, the reduction in uterine volume was greater in group B than in group A. The proliferation rates in both uterine and endometrial glands measured by Ki-67 were low with a mean value of 7% with no significant difference between groups at month 6. Treatment with gestrinone demonstrated significantly lower pain scores (VAS) when used either alone or in combination with Miodesin®. However, this decrease was significantly greater in group B than in group A. Treatment with Miodesin alone (Group C) also decreased significantly pain scores.  
**Conclusion:** Miodesin treatment increased the efficacy of Gestrinone to reduce pelvic pain and uterine volume in patients with endometriosis and leiomyoma.  
**Keywords:** Endometriosis, Miodesin, Gestrinone, Endometriosis, Leiomyoma, Pelvic Pain  
**Introduction:** Leiomyoma is a tumor whose growth is accelerated by androgens and hormones such as progesterone and androgen [1]. Gestrinone, which is an androgenic progestin, is an effective treatment to reduce the size of uterine volume. Side effects may occur, but they are usually mild and transient, such as weight gain, hot flashes, and dizziness. Although the occurrence of androgenic side effects may happen during treatment in some patients [2]. One interesting approach to treatment of this problem would be to use lower doses of Gestrinone together with selectively acting anti-androgenic anti-inflammatory medications. One promising drug is the Vismian treatment, an herbal medicine from an aqueous extract used in the most advanced conditions [3].  
 This medicinal plant has been shown to suppress the production of tumor necrosis factor (TNF) alpha, a pro-inflammatory cytokine. The Vismian treatment acts through a 50% reduction of TNF-alpha production, inhibiting TNF-alpha production, decreasing function of inflammatory cells [4]. The current clinical application of this medication is the treatment of various inflammatory conditions such as arthritis and psoriasis [5]. The emergence of TNF-alpha inhibitors opens the way for the application of this medicinal plant in the treatment of endometriosis and leiomyoma. The application may be used in the treatment of endometriosis and leiomyoma since the development of these pathologies is associated by inflammation. For instance, TNF-alpha increased activation of DNA production in myometrium and increases alpha-fetoprotein, increasing tumor cell growth (EMC) production and stimulating their growth [6]. Furthermore, the presence of a great number of inflammatory cells inside the leiomyoma suggests that inflammation plays a pivotal role in its

**The Effect of the Association of Miodesin with Gestrinone on Deep Endometriosis Pain**  
 #1 (10/18/18)  
 Objective: Gestrinone is a testosterone derivative with anti-estrogenic and progestin and androgenic properties. The objective of this study was to investigate the effect of low doses of gestrinone together with Miodesin® in Pentravan® on deep endometriosis pain. Methods: This study was carried out in 42 patients with deep endometriosis and severe pain treated vaginally with gestrinone associated with Miodesin® in Pentravan®. Miodesin® is the brand name of a vegetal extract prepared from the Vismian herbaceous by Fagron (Brazil) and standardized to contain 4.5% of nortriterpenoid alkaloids which are known to be potent inhibitors of NF-kappaB activation. Patient Intervention: The patients were divided in two groups. In group A (n=20) they were treated with a low dose of gestrinone in Pentravan® (100 µg) once a week administered vaginally. In group B (n=22) gestrinone was administered in the same dose together with Miodesin®. Miodesin® was used in the vagina daily in a dose of 500 mg in 3 ml of Pentravan. Patients in both groups were concomitantly treated orally with 100 mg of ibuprofen (400 mg of ibuprofen and 400 mg of ibuprofen tablets to decrease androgenic side effects and provide hepatic protection. Alan Amino Measure) The main outcome investigated was the decrease in total pain scores evaluated by visual analogic scale (VAS) before and after two months of treatment. Results: Gestrinone in the lower dose of 2.2 mg significantly decreased total pain scores (VAS) in both groups. Before treatment they were 6.04 after the second month, pain scores decreased significantly to 3 and 2.8 in group A and B, respectively. The difference between the groups was statistically significant (p=0.0002). There were also significantly more pain free patients in group B than in Group A (50 versus 20%). Side effects were affecting 20% of the patients in both groups and consisted mainly in oily skin. Liver enzymes were not affected and SHBG levels decreased in both groups. Conclusion: These results suggest that vaginal Miodesin significantly increased the effectiveness of Gestrinone to treat pelvic pain in patients with deep endometriosis, relieving 50% of them pain free after the second month of treatment.

# H1-2018 Results



## Fagron US

Minneapolis - US





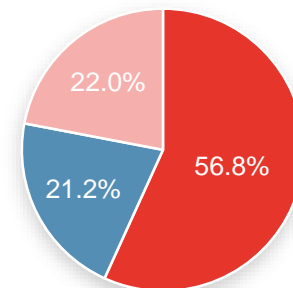
# H1-2018 Headlines



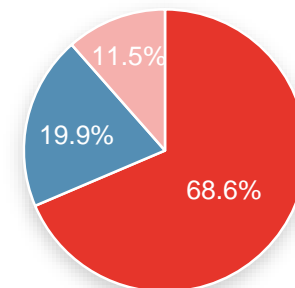
## Financial

- Turnover increased 5.0% (12.1% CER) to € 230.9m
- REBITDA increased 1.1% (6.9% CER) to € 48.7m
- Recurrent net profit increased 6.6% to € 22.3m
- Operational cash flow of € 34.4m
- Net financial debt/REBITDA ratio of 2.72

Turnover



REBITDA



■ Europe\* ■ South America ■ North America

\* Including HL Technology and Rest of the World.

# Operational Review H1-2018



## Florien

Piracicaba – Brazil



# Consolidated Turnover

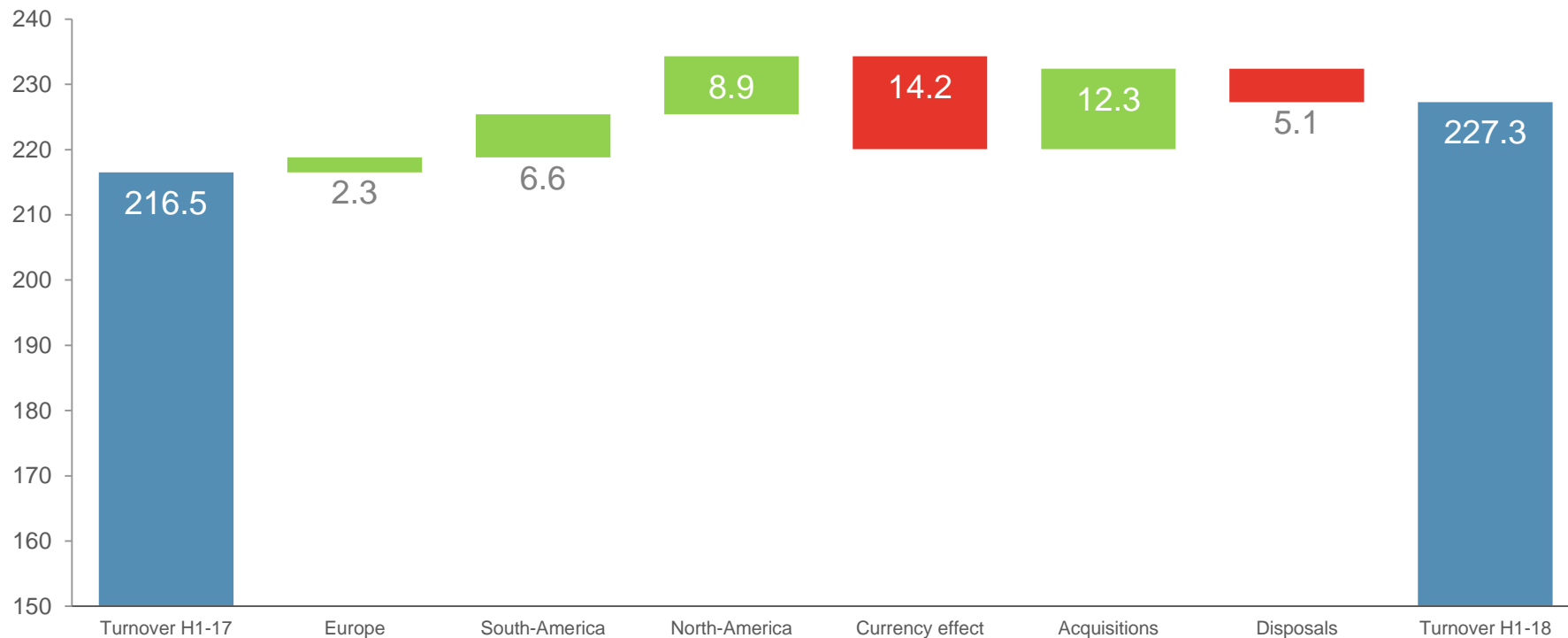


(x € 1,000)	<b>H1-2018</b>	H1-2017	Total growth	Total growth CER	Organic growth	Organic growth CER
<b>Fagron</b>	227,285	216,551	+5.0%	+12.1%	+1.7%	+8.4%
<b>HL Technology</b>	3,638	3,461	+5.1%	+14.2%	+5.1%	+14.2%
<b>Total</b>	<b>230,923</b>	<b>220,012</b>	<b>+5.0%</b>	<b>+12.1%</b>	<b>+1.7%</b>	<b>+8.5%</b>

CER = constant exchange rates

- Organic turnover growth CER of 8.5%
- Organic turnover growth CER in all regions
- Growth acceleration in North- and South-America in Q2

# Turnover Development



(x € 1,000)	H1-2018	H1-2017	Δ
<b>Turnover</b>	127,536	127,220	+0.2%
<b>REBITDA</b>	32,667	32,724	-0.2%
<b>REBITDA margin</b>	25.6%	25.7%	

CER = constant exchange rates

- Organic turnover growth CER of 1.9%
- REBITDA decreases 0.2%; margin decreases 10bps to 25.6%
- Focus on innovative products resulted in strong growth of Brands
- Temporarily reduction of capacity in one of the Dutch compounding facilities to be able to invest in further increasing the quality of the facility and processes

(x € 1,000)	H1-2018	H1-2017	Δ
<b>Turnover</b>	48,880	49,450	-1.2%
<b>REBITDA</b>	9,691	10,054	-3.6%
<b>REBITDA margin</b>	19.8%	20.3%	

CER = constant exchange rates

- Organic turnover growth CER of 13.3%
- REBITDA decreases 3.6%; margin decreases 50bps to 19.8%
- Strong turnover growth driven by:
  - Growth of underlying markets and growth in number of compounding pharmacies (+8.8% to 7,545)
  - Focus on the development and introduction of innovations and patented concepts
- 25 new innovations introduced during Consulfarma in Brazil
- All Chemistry fully integrated and rebranded to Organic Compounding

(x € 1,000)	H1-2018	H1-2017	Δ
<b>Turnover</b>	50,869	39,880	+27.6%
<b>REBITDA</b>	5,610	5,452	+2.9%
<b>REBITDA margin</b>	11.0%	13.7%	

CER = constant exchange rates

- Organic turnover growth CER of 22.3%
- REBITDA increases 2.9%; margin decreases 270bps to 11.0%
- REBITDA margin decreased due to the FTE increase at FSS-Wichita
- FCS-sterile performing in-line with expectations
  - Organic growth CER of 27.5% (Q2-18: 34.6%)
  - FSS-Wichita CER: +76.2% (Q2-18: 90.9%)
- Essentials/Brands:
  - Organic growth CER of 7.6%, driven by all activities
  - Good progress on integration of Humco

# Financial Review H1-2018



## Pharmaline

Oldenzaal – The Netherlands





Turnover  
(in € million)  
**230.9**

- Turnover increases 5.0% or 12.1% at CER
- Organic increase of 1.7% or 8.5% at CER

Gross margin  
(in € million)  
**141.9**

- Gross margin increased by € 5.0m (+3.7%)
- Gross margin as percentage of turnover decreased to 61.5% due to the renewal of contracts in H2-17 and the sale of the French pharmacy
- Gross margin increased 70bps compared to H2-17

Operating costs  
(in € million)  
**-93.3**

- Operating costs as a percentage of turnover remained unchanged and amounted to 40.4% in H1-18
- Operating costs increased by 5.1%, mainly due to the acquisition and integration of Humco and the increase of FTE at FSS in Wichita

REBITDA  
(in € million)  
**48.7**

- REBITDA increased by 1.1% (+6.9% CER) to € 48.7m
- REBITDA as percentage of turnover decreased by 80bps to 21.1%

Non-recurring  
(in € million)  
**-4.7**

- Non-recurring result amounts to -€ 4.7m and consists of the settlement with the former owners of JCB Laboratories (US), dismissal costs and acquisition costs

EBITDA  
(in € million)  
**44.0**

- EBITDA decreased by 6.8% to € 44.0m due to the increase in non-recurring elements (mainly JCB settlement)

# Financial Review H1-2018



DA  
(in € million)  
**-9.5**

- DA amounted to € 9.5m, an increase of 8.6% compared to H1-17, partly due to amortization of the Humco brand

EBIT  
(in € million)  
**34.5**

- EBIT decreased by 10.3% to € 34.5m

Fin. result  
(in € million)  
**-10.5**

- Financial result decreased by 21.2% to € 10.5m
- The decrease was mainly due to the repayment of the bond in July 2017, offset by FX-results and higher debt due to the Humco acquisition

# Financial Review H1-2018



Taxes  
(in € million)  
**-5.2**

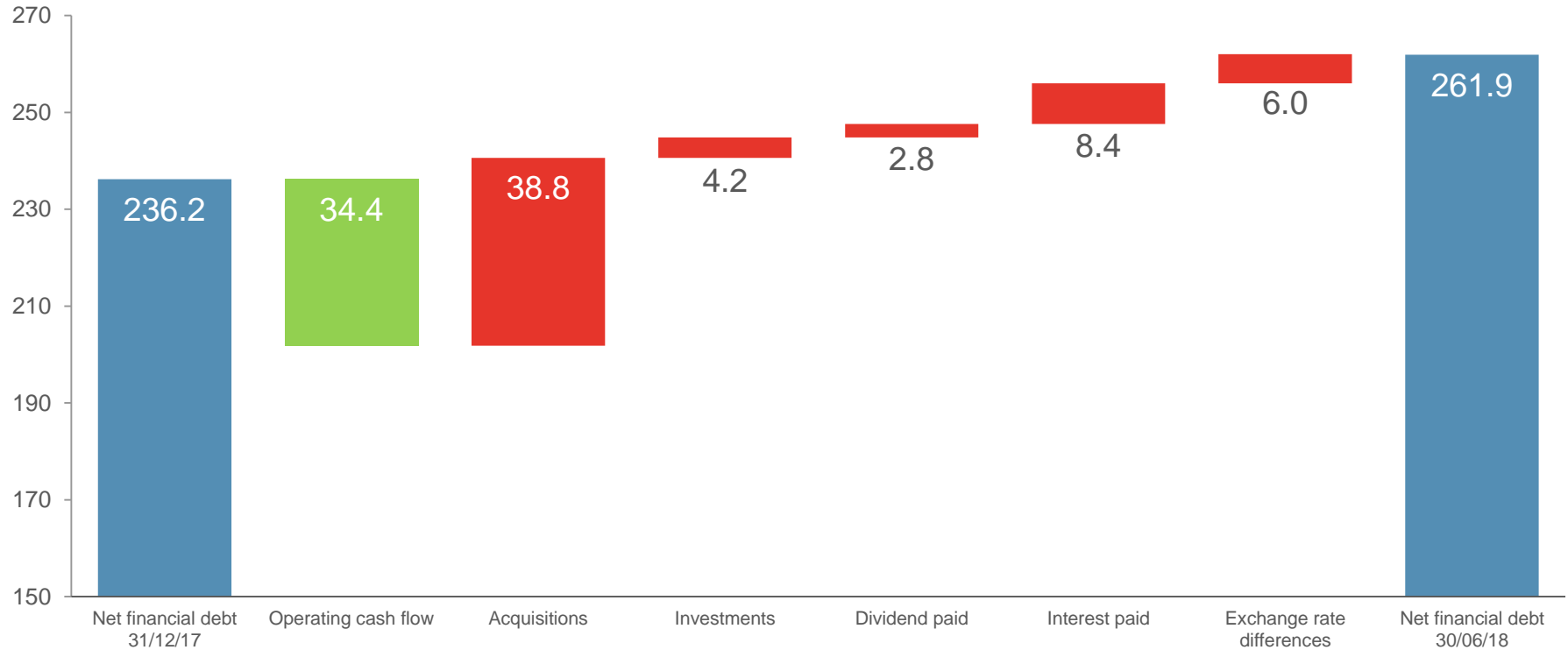
- Effective tax rate amounted to 21.8% compared to 18.6% in H1-17
- Effective cash tax rate amounted to 15.1%

Net profit  
(in € million)  
**18.8**

- Net profit amounted to € 18.8m, a decrease of 10.8% compared to H1-17
- Recurrent net profit increased by 6.6% to € 22.3m

# Net Financial Debt

consolidated



# Summary



- Turnover growth driven by all areas - Acceleration in Q2
- Good progress with integration Humco
- Investing in people, systems and product development to further accelerate growth
- Focus remains on:
  - Continued strong organic growth
  - Targeted acquisitions in our core markets
- Positive about the future and confident that the positive trend will continue in 2018



# Q3-2018 Trading Update



## Fagron Hellas

Trikala - Greece



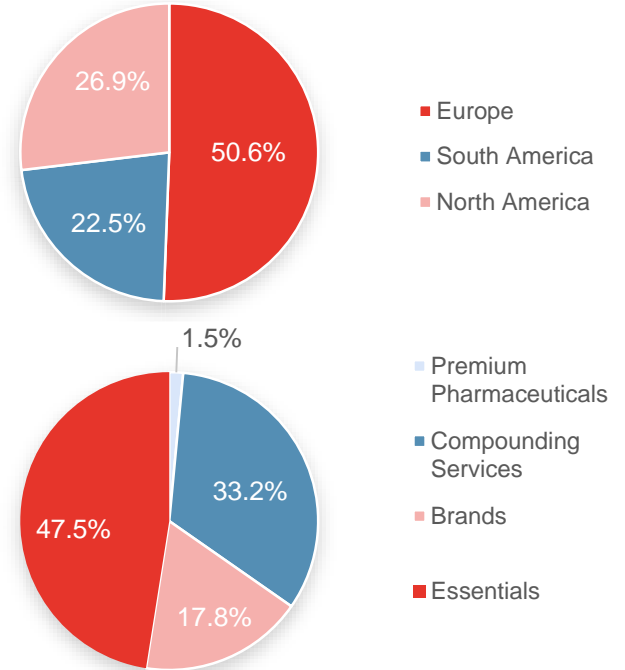
# Headlines Q3-2018



## Highlights

- Turnover increased by 11.8% to € 114.9m
- Organic growth CER of 10.1%
- Growth driven by all regions
- Solid growth of Brands

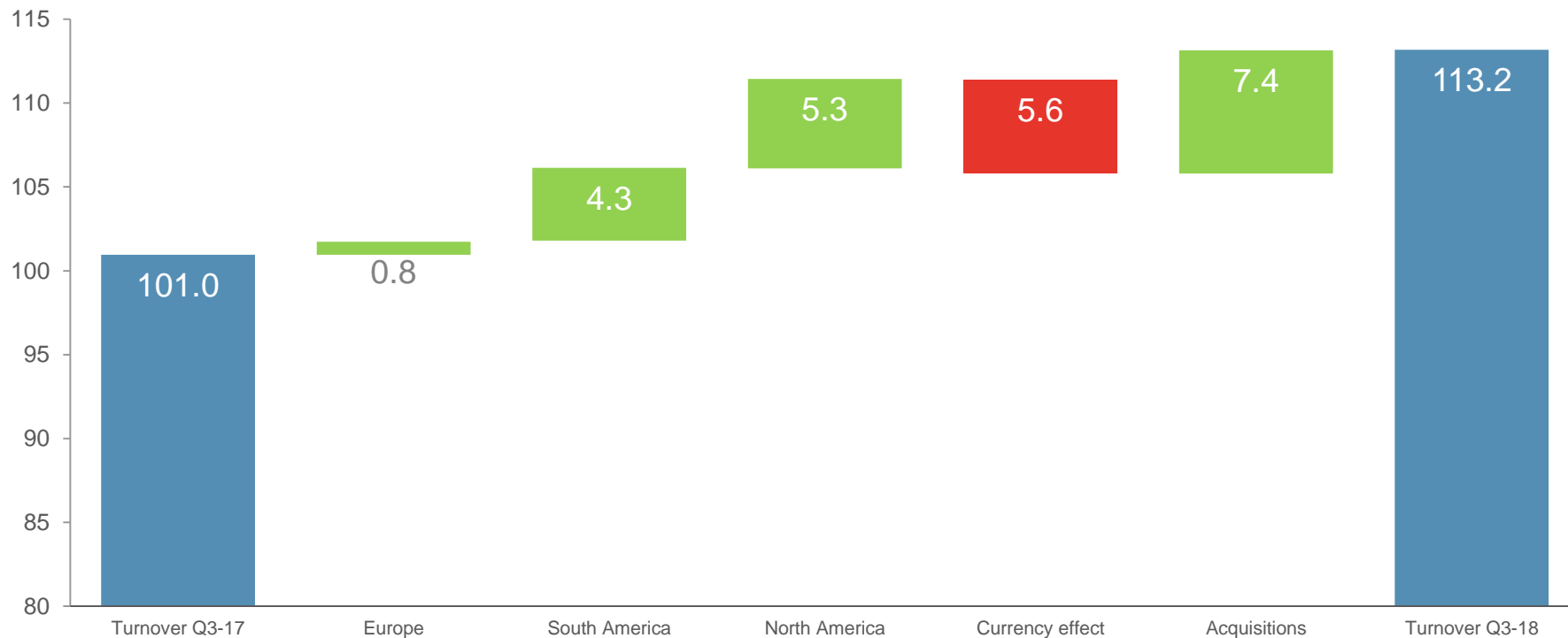
Turnover Q3-2018



Excluding HL Technology.



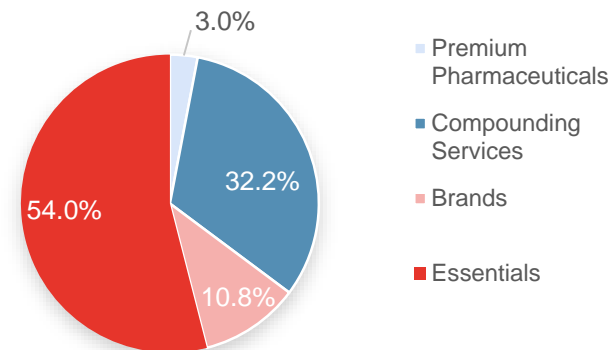
# Turnover Development



(x € 1,000)	Q3-2018	Q3-2017	Total growth	Total growth CER	Organic growth	Organic growth CER
Turnover	57,316	56,664	+1.2%	+1.4%	+1.2%	+1.4%

CER = constant exchange rates

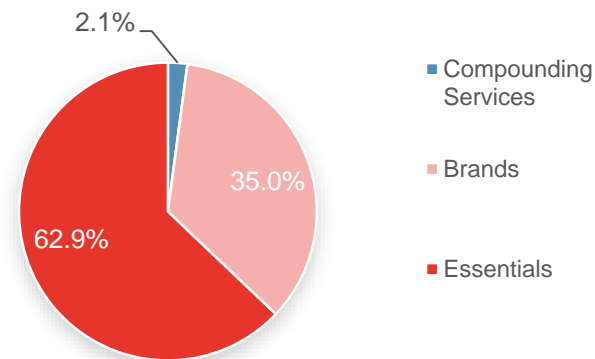
- Organic growth CER of 1.4%
- Strategic focus on Brands resulted in strong growth
- Temporarily reduction of capacity in one of the Dutch compounding facilities to be able to invest in further increasing the quality of the facility and processes. Negative impact of € 1.5m in Q3-2018



(x € 1,000)	Q3-2018	Q3-2017	Total growth	Total growth CER	Organic growth	Organic growth CER
Turnover	25,467	25,753	-1.1%	+21.9%	-5.2%	+16.9%

CER = constant exchange rates

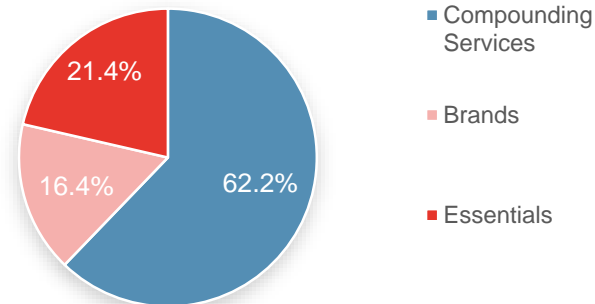
- Organic growth CER of 16.9%
- Strong growth of Essentials and Brands in Brazil
  - Essentials: High product availability
  - Brands: Continued launch of new and innovative products
- Strong growth at FCS in Colombia



(x € 1,000)	Q3-2018	Q3-2017	Total growth	Total growth CER	Organic growth	Organic growth CER
Turnover	30,392	18,543	+63.9%	+63.5%	+29.9%	+28.8%

CER = constant exchange rates

- Organic growth CER of 28.8%
- FCS-sterile performing in-line with expectations
  - Organic growth CER of 33.5%
  - Organic growth CER FSS-Wichita: +84.2%
- Essentials/Brands:
  - Organic growth CER of 14.2%, driven by Brands and Essentials
  - Good progress with integration of Humco



# Summary



- Strong turnover growth driven by all areas
- Good progress with integration Humco
- Focus remains on:
  - Further expansion of leading market positions in key regions
  - Innovation-driven organic growth
  - Strategic acquisitions
- Confident about Q4-2018
- Excellently positioned for further growth in 2019



# Shareholder Structure



**FSBA**

Hoogeveen - The Netherlands



# Shareholder Structure



	Number of shares	% of voting rights
Waterland Private Equity Fund VI CV, Balcaen, Fagron	22,656,725	31.54%
Alychlo NV / Marc Coucke	10,749,267	14.96%
JPMorgan Asset Management Holdings Inc.	3,496,585	4.87%
Evermore Global Advisors, LCC	2,203,472	3.07%
Carmignac Gestion	1,492,006	4.65%

- Article 11 of the articles of association of the company specifies that participations must be notified as soon as a threshold of 3%, 5% and any multiple of 5% has been passed
- The number of Fagron shares with voting rights is 71,843,904. The total number of voting rights (denominator) is 71,843,904
- The notification of Carmignac Gestion was received on March 18, 2016 and is based on a denominator of 32,111,827



**FAGRON**





## Important information about forward-looking statements

Certain statements in this presentation may be considered “forward-looking”. Such forward-looking statements are based on current expectations, and, accordingly, entail and are influenced by various risks and uncertainties. The Company therefore cannot provide any assurance that such forward-looking statements will materialize and does not assume an obligation to update or revise any forward-looking statement, whether as a result of new information, future events or any other reason.