## Expanding Our Reach

1Q 2011 Performance Results
May 2011


DONG-A PHARM.

## Forwapd Looking Statements

The business results for the 1st quarter of 2011, currently under audit review, are presented here for investors' convenience. Hence, please be advised that some of their contents may be altered in the course of audit.

This presentation may contain "forward-looking statement." Forecasts and projections contained in this material are based on current business environments and management strategies, and they may differ from the actual results upon changes and unaccounted variables.

## I. Financial Performance (K-GAAP)

II.

## I. Financioal Performannce (K-GAAAP)

## ․ Financial Performance - Sales

- Sales grew 4.6\% YoY, lowered 1.0\% QoQ to KRW120.2bil.
- Operating profit grew $10.4 \%$ YoY to KRW25.7bil. With $12.2 \%$ operating profit margin



## 1. Finnancioal Performance - Marcgin Anallysis

- Operating profit margin improved 4.1\%p due to decrease in CoGS and marketing related costs including support for research and advertisement

|  | 1Q '10 | 4Q '10 | 1Q '11 | YoY | QoQ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Gross Profit Margin | 59.3\% | 57.8\% | 60.2\% | 0.9\%p | 2.4\%p |
| Operating Profit Margin | 11.6\% | 8.1\% | 12.2\% | $0.6 \% p$ | 4.1\%p |
| SG\&A per Sales | 47.8\% | 49.8\% | 48.0\% | $0.2 \% p$ | -1.8\%p |
| HR Related Cost per Sales <br> (Salary + Severance + Fringe Benefit) | 14.1\% | 14.7\% | 15.1\% | 1.0\%p | 0.4\%p |
| Advertisement Cost per Sales | 4.9\% | 4.9\% | 4.2\% | -0.7\%p | -0.7\%p |
| Support for Research cost per Sales | 4.2\% | 9.1\% | 5.4\% | 1.2\%p | $-3.7 \% p$ |
| Sales Promotion per Sales | 8.0\% | 3.6\% | 5.3\% | -2.7\%p | 1.7\%p |
| R\&D Cost per Sales (Reflected in SG\&A) | 7.5\% | 8.2\% | 8.6\% | 1.1\%p | $0.4 \% p$ |

## I. Financial Performance - Balance Sheet

- Net debt to equity ratio lowered due to increase in cash

|  | 2010. 12 | 2011. 03 | Change |
| :--- | ---: | ---: | ---: |
| Total Asset | $1,160.4$ | $\mathbf{1 , 1 9 5 . 7}$ | $3.0 \%$ |
| Cash* | 132.6 | 147.0 | $10.9 \%$ |
| Payable | 132.3 | 134.1 | $1.4 \%$ |
| Inventory | 115.7 | 118.9 | $2.8 \%$ |
| Total Liability | 431.6 | 454.2 | $5.2 \%$ |
| Debt | 241.3 | 240.9 | $-0.0 \%$ |
| Total Capital | 728.9 | 741.5 | $1.7 \%$ |
| * Cash = Cash + Cash Equivalent + Short-Term Securities |  |  |  |



## [u. Performance by Division

## [id. Performnance by Division - ETC (GM/Clinics)

- ETC Sales dropped 4.3\% YoY, 6.2\% QoQ


## ETC 1Q YoY, QoQ

[KRW bil.]


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## []. Performnance by Division - ETC (GM/Clinic)

## Major ETC Products Growth

0.3\%
22.122.1


■ 1Q '10 ■ 1Q '11

## In. Perfornnance by Division - OTC (Bacchus/Other)

- OTC sales improved 10.2\% YoY buoyed by 15.9\% growth in Bacchus and 4.8\% growth in Other OTC
- OTC sales dropped $4.2 \%$ QoQ due to $9.2 \%$ increase in Bacchus and $14.2 \%$ decrease in Other OTC


## OTC 1Q YoY, QoQ

| Other OTC | 47.1 | 10.2\% | 51.9 | -4.2\% | 54.2 |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
|  | 24.2 | 4.8\% | 25.3 | 9.2\% | 3.2 |
|  |  |  |  |  |  |
| $\square$ Bacchus |  |  |  |  |  |
|  | 22.9 | 15.9\% | 26.6 | -14.2\% | 31.0 |
|  | 1Q '10 |  | 1Q '11 |  | 4Q '10 |

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## 而. Perfornnance by Division - OTC (Bacchus/Other)

## Major OTC Products Growth

[KRW bil.]


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## []. Perfornance by Division - Medi̊cal

- Medical Equipment sales stayed stagnant YoY but grew 16.9\% QoQ
- Diagnostics sales improved 17.0\% YoY and 6.0\% QoQ


## Medical 1Q YoY, QoQ

[KRW bil.]


## []. Perfornance by Division - Medi̊cal

## Major Medical Products Growth

[KRW bil.]


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## [id. Performnance by Division - Export

- Export sales grew 25.9\% YoY, 13.9\% QoQ


## Export 1Q YoY, QoQ



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## [id. Performnance by Division - Export

## Regional Growth

[KRW Bil.]


## Products Growth



## ruar Resd Pipeline - New Chemical Entity (NCE)

| TYPE | CODE NAME | MAJOR INDICATION | DESCRIPTION | STAGE |
| :---: | :---: | :---: | :---: | :---: |
| NCE | DA - 8159 | Erectile Dysfunction | PDE-5 Inhibitor | Under Phase 3 (US) Warner Chilcott |
|  |  | Benign Prostatic Hyperplasia |  | Phase 2 planned (US) Warner Chilcott |
|  |  | Portal Hypertension |  | Under Phase 2 (EU) Dr. Falk |
|  |  | Pulmonary Arterial Hypertension |  | Under Phase 2 (KR) |
|  | DA - 7218 | Infection (ABSSSI) | Oxazolidinone Class Antibiotic | Under Phase 3 (US) Trius Therapeutics |
|  |  | Lung Infection |  | Phase 1 Completed (US) Trius Therapeutics |
|  | DA - 1229 | Type 2 Diabetes | DPP-4 Inhibitor | Under Phase 2 (KR) |
|  | DA - 6034 | Gastritis | Flavone Derivative | Under Phase 3 (KR) |
|  |  | Dry Eye |  | Phase 2 planned (KR) |
|  | DA - 8031 | Premature Ejaculation | SERT Inhibitor | Under Phase 1 (KR) |

## Id

| TYPE | CODE NAME | MAJOR INDICATION | DESCRIPTION | STAGE |
| :---: | :---: | :---: | :---: | :---: |
| Phyto | DA-9701 | Functional Dyspepsia | Herbal Extracts | NDA (KR) |
|  | DA-9801 | Diabetic Neuropathy | Herbal Extracts | Phase 2 planned (KR) |
|  | DA-3801 | Infertility (Ovulation | Rnduction) | Recombinant FSH |
|  | Under Phase 3 (KR) |  |  |  |
|  | DA-3803 | Infertility | Recombinant hCG | Phase 3 planned (KR) |
|  | DA-3030 | Diabetic Neuropathy | G-CSF | Under Phase 2 (KR) |
| Bio | DA-3031 | Neutropenia | PEGylated-G-CSF | Under Phase 2 (KR) |
|  | DA-3051 | Multiple Sclerosis | Interferon- $\beta$ | Under Phase 1 (Brazil) |
|  | DA-3091 | Type 2 Diabetes | Long-acting Exenatide | Under Phase 1 (KR) |
|  | DA-3607 | Brain Tumor | TRAIL | Under Phase 1 (KR) |

## R\&\& Pipeline - Other Bio-medicine

## R\&D on Bio at Beginning Stage

- Biosimilar/better- DA-3811 (Gaucher Disease)

DA-3853 (Rheumatoid \& Psoriatic Arthritis)
DA-3808 (Hemophilia A)
DA-3880 (Anemia of Chronic Renal Failure)

- Antibody - DA-3111 (her2 Positive Breast Cancer)

DA-3131 (Solid Tumor)

## $\mathbb{N}$ 。 Other Manageriol lssue

## IN. Other Managyeriol Issue

## Impact of Dual Punishment System

- Sluggish pharmaceutical industry continued for the time being due to the government's toughening crackdown on rebate practices
- In the longer run, however, companies such as Dong-A who has the strong brand power, diversified business portfolio and sound financials will be significantly benefited by changes in competitive landscape
- During the $2^{\text {nd }}$ half, Dong-A will strive to overcome the unfavorable market situation with newly launching generic and original products


## IN. Other Managlerial Issue

## Impact of Drug Expenditure Rationalization Plan

[10' Sales in KRW bil.]

|  |  | EFFECTIVE FROM 2 H 2010 | EFFECTIVE FROM $1 H 2011$ | EFFECTIVE FROM 2 H 2011 |
| :---: | :---: | :---: | :---: | :---: |
| Therapeutic | rea | Hypertension | Circulatory, Digestive, Gastric ulcer, Enteropathy, Osteoporosis | Diabetes, Antithrombotic, Antibiotic, Anti-virus, and Rest |
| Impact on Dong-A | Product | None | Gaster ${ }^{\circledR}$ (19.1) - 20\% <br> Foy ${ }^{\circledR}$ (4.4) - 20\% <br> Prostandin® (3.1) - 20\% <br> Zofran ${ }^{\circledR}(1.5)-15 \%$ | $\begin{aligned} & \text { Growtropin }{ }^{\circledR}(17.2)-4 \% \\ & \text { Acrofen® }(11.4)-14 \% \\ & \text { Epocelin }^{( }(10.0)-20 \% \\ & \text { Zovirax }^{\circledR}(8.7)-20 \% \\ & \text { Eporon } \\ & \text { Carplan }(4.5)-12 \% \\ & \text { Others }(3.5)-11 \%)-120 \% \end{aligned}$ |
|  | Impact on Sales | 0\% | About KRW2.0bil. drop in sales per year | About KRW2.5bil. drop in sales per year |

## IN. Other Manageriol lssue

## IFRS vs. K-GAAP Reconciliation - Statements of Income

[KRW bil.]

| Account | K-GAAP | K-IFRS | Major Changes |
| :---: | :---: | :---: | :---: |
| Sales | 210.2 | 210.2 |  |
| CoGS | 83.7 | 82.3 | Manufacturing cost dropped KRW1.4bil. due to change in depreciation method |
| Gross Profit | 126.5 | 128.0 |  |
| SG\&A | 100.8 | 99.9 | retirement allowance KRW 750 mil drop based on actuarial methodology |
| Other Income |  | 3.6 | Non-operating income(K-GAAP) except financial income/expenses reflected in operating income(K-IFRS) |
| Other Losses |  | 1.3 |  |
| Operating Profit | 25.7 | 30.3 | net equity method gain of KRW1.5bil. eliminated (stand-alone IFRS allowed for quarterly results ) |
| OPM | 12.2\% | 14.4\% |  |
| Financial Income | 7.6 | 1.8 |  |
| Financial Expenses | 6.0 | 4.1 |  |
| EBT | 27.4 | 28.1 |  |
| Tax Expenses | 6.2 | 8.3 | Deferred tax liability changes due to IFRS reconciliation |
| Net Income | 21.1 | 25.2 |  |
| Comprehensive Income |  | 26.2 | Reflecting capital gain from translation gain on available for sales securities |

## IN. Other Manageriol Issue

IFRS vs. K-GAAP Reconciliation - Statements of Financial Position

| Account | K-GAAP | K-IFRS | Major Changes |
| :---: | :---: | :---: | :---: |
| Current Assets | 401.2 | 403.4 | -Payable up KRW65 bil as export transaction(D/A*) included in payable account <br> -Methodology for provision on securities changed from aging method to actuarial method, increasing KRW 2 bil in provision <br> -KRW 59 bil eliminated from netting of deferred tax asset and liability |
| Non-current Assets | 792.5 | 739.5 | -KRW 81 bil decrease in equity method investment reflecting historical value(acquisition cost) rather than equity method -Depreciation accumulation changes due to changes in depreciation method |
| Total Assets | 1,193.7 | 1,143.0 |  |
| Current Liabilities | 242.1 | 254.0 | -Short term debt up KRW65.4 bil as export transaction(D/A*) included in debt account <br> -Increase in accrued expense of KRW5.2 bil for accounting methodology change s for unused compensated absence |
| Non-current Liabilities | 212.7 | 194.5 | -Retirement benefit allowance of KRW 9.5 bil dropped on actuarial methodology -K-IFRS reconciliation on cost reflected in deferred tax liability |
| Total Liabilities | 454.8 | 478.5 |  |
| Total Stockholders' Equity | 738.9 | 694.4 | -KRW 57.5bil less in total capital due changes from equity method to historical value (acquisition cost) -increase in unappropriated earned surplus of KRW 21 bil. |

## Appendizs

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## Condensed Statements of lncome (K-GAAP)

[KRW bil.]

|  | 2007 | 2008 | 2009 | 10'10 | 20'10 | 30'10 | 40'10 | 2010 | 10, 11 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sales | 686.8 | 702.3 | 801.1 | 201.0 | 221.4 | 212.1 | 212.3 | 846.8 | 210.2 |
| CoGS | 306.8 | 259.2 | 323.2 | 81.7 | 86.4 | 87.9 | 89.6 | 345.6 | 83.7 |
| Gross Profit | 380.0 | 443.1 | 477.9 | 119.3 | 135.0 | 124.2 | 122.7 | 501.3 | 126.5 |
| SG\&A | 304.2 | 361.4 | 386.0 | 96.0 | 106.3 | 94.7 | 105.6 | 402.7 | 100.8 |
| Operating Profit | 75.8 | 81.7 | 91.9 | 23.3 | 28.7 | 29.5 | 17.1 | 98.5 | 25.7 |
| Interest Cost | 12.7 | 13.1 | 15.5 | 3.7 | 4.8 | 4.5 | 1.3 | 14.3 | 3.1 |
| EBT | 57.4 | 71.0 | 85.1 | 21.1 | 37.8 | 17.5 | 22.4 | 98.8 | 27.4 |
| Net Profit | 34.8 | 43.4 | 63.3 | 15.5 | 33.2 | 11.2 | 13.2 | 73.1 | 21.1 |


| GP Margin | $55.3 \%$ | $63.1 \%$ | $59.7 \%$ | $59.3 \%$ | $61.0 \%$ | $58.6 \%$ | $57.8 \%$ | $59.2 \%$ | $\mathbf{6 0 . 2 \%}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| OP Margin | $11.0 \%$ | $11.6 \%$ | $11.5 \%$ | $11.6 \%$ | $12.9 \%$ | $13.9 \%$ | $8.1 \%$ | $11.6 \%$ | $\mathbf{1 2 . 2 \%}$ |
| EBT Margin | $8.4 \%$ | $10.1 \%$ | $10.5 \%$ | $10.5 \%$ | $17.1 \%$ | $8.3 \%$ | $10.6 \%$ | $11.7 \%$ | $\mathbf{1 3 . 0 \%}$ |
| NP Margin | $5.1 \%$ | $6.2 \%$ | $7.9 \%$ | $7.7 \%$ | $15.0 \%$ | $5.3 \%$ | $6.2 \%$ | $8.6 \%$ | $\mathbf{1 0 . 0 \%}$ |

## Condensed Statement of Financial Position (K-GAAP)

[KRW bil.]

|  | 2007 | 2008 | 2009 | 10'10 | 20'10 | 30 10 | 40'10 | 10'11 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total Assets | 671.0 | 731.6 | 1,000.0 | 1,025.8 | 1,188.2 | 1,175.0 | 1,160.4 | 1,193.7 |
| Current Assets | 284.3 | 292.7 | 294.7 | 301.7 | 448.2 | 438.6 | 380.4 | 401.2 |
| Cash | 51.2 | 44.5 | 44.8 | 54.9 | 177.5 | 181.8 | 132.6 | 147.0 |
| Receivables | 138.2 | 134.9 | 133.8 | 134.9 | 138.0 | 136.0 | 132.3 | 134.1 |
| Inventories | 94.7 | 109.0 | 118.2 | 111.4 | 109.3 | 112.4 | 115.7 | 118.9 |
| Fixed Assets | 386.6 | 438.9 | 705.3 | 724.1 | 740.0 | 736.4 | 780.0 | 792.5 |
| Total Liabilities | 343.0 | 381.4 | 420.0 | 440.5 | 474.4 | 447.3 | 431.6 | 454.8 |
| Current Liabilities | 216.2 | 249.1 | 316.0 | 335.6 | 240.8 | 200.9 | 222.1 | 242.1 |
| Fixed liabilities | 126.8 | 132.3 | 103.9 | 104.9 | 233.5 | 246.4 | 209.4 | 212.7 |
| Total Equity | 328.0 | 350.2 | 580.1 | 585.3 | 713.9 | 727.7 | 728.9 | 738.9 |
| Liability to Equity Ratio | 104.6\% | 108.9 | 72.4\% | 75.3\% | 66.5\% | 61.5\% | 59.2\% | 61.6\% |
| Debt to Equity Ratio | 61.2\% | 69.0\% | 42.6\% | 43.3\% | 38.4\% | 33.5\% | 33.1\% | 32.6\% |
| Net Debt to Equity Ratio | 49.8\% | 56.3\% | 34.8\% | 33.9\% | 13.5\% | 8.5\% | 14.9\% | 12.7\% |

## Perfornnance by Diviision

| Division | 2007 | 2008 | 2009 | 10'10 | $20 \cdot 10$ | $30 \cdot 10$ | $40 \cdot 10$ | 2010 | 10'11 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ETC | 316.5 | 398.4 | 463.1 | 120.0 | 124.2 | 115.4 | 122.1 | 481.3 | 114.5 |
| Bacchus | 112.5 | 118.8 | 116.5 | 23.0 | 36.8 | 37.6 | 31.0 | 128.3 | 26.6 |
| OTC | 88.4 | 80.2 | 93.2 | 24.2 | 24.0 | 22.0 | 23.2 | 93.4 | 25.3 |
| Medical Equipment | 56.8 | 32.6 | 39.7 | 12.9 | 11.7 | 10.4 | 11.0 | 46.0 | 12.9 |
| Diagnostics | 33.2 | 37.1 | 41.3 | 10.6 | 11.4 | 11.6 | 11.7 | 45.3 | 12.4 |
| Export | 19.4 | 26.1 | 37.4 | 9.7 | 12.4 | 12.0 | 10.8 | 45.0 | 12.3 |

## Major Products Sales (ETC)

[KRW bil.]

| Products | 2007 | 2008 | 2009 | 10'10 | 20 '10 | 30 '10 | 40'10 | 2010 | 10 '11 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stillen | 60.2 | 74.8 | 85.4 | 22.1 | 22.4 | 20.7 | 22.5 | 87.7 | 22.1 |
| Opalmon | 23.5 | 31.9 | 40.6 | 11.0 | 12.3 | 13.2 | 7.8 | 44.3 | 8.8 |
| Plavitor | 13.0 | 29.9 | 39.7 | 10.5 | 10.5 | 10.9 | 11.7 | 43.6 | 10.5 |
| Lipinon | - | 9.6 | 30.9 | 9.6 | 10.4 | 10.2 | 10.7 | 40.9 | 11.5 |
| Orodipine | 13.4 | 23.2 | 28.2 | 7.3 | 7.5 | 7.0 | 7.1 | 28.9 | 6.8 |
| Nicetile | 30.5 | 37.9 | 34.3 | 7.8 | 9.1 | 5.4 | 4.0 | 26.3 | 3.3 |
| Gaster | 14.3 | 16.7 | 18.5 | 4.8 | 4.5 | 4.9 | 4.9 | 19.1 | 4.6 |
| Growtropin | 14.7 | 14.4 | 15.6 | 4.4 | 4.0 | 4.5 | 4.3 | 17.2 | 4.8 |
| Zydena | 11.2 | 14.2 | 16.3 | 4.7 | 4.7 | 4.4 | 6.2 | 20.0 | 4.8 |
| Cozartan | - | - | 12.9 | 4.4 | 4.5 | 4.4 | 4.7 | 18.0 | 4.8 |
| Talion | 11.9 | 15.4 | 18.6 | 4.5 | 5.2 | 4.1 | 5.8 | 19.6 | 4.1 |
| Glimel | 11.5 | 13.6 | 15.1 | 4.1 | 4.1 | 3.6 | 3.7 | 15.5 | 3.8 |
| Acrofen | 7.9 | 11.0 | 11.6 | 2.7 | 3.0 | 2.9 | 2.8 | 11.4 | 2.8 |
| Valtrex | 6.4 | 9.1 | 10.3 | 2.5 | 2.4 | 2.6 | 2.5 | 10.0 | 1.2 |
| Epocelin | 11.4 | 10.9 | 10.3 | 2.3 | 2.2 | 2.5 | 3.0 | 10.0 | 1.9 |
| Onon | 9.1 | 10.9 | 11.7 | 3.0 | 3.3 | 2.4 | 3.7 | 12.4 | 2.9 |
| Tanatril | 9.6 | 10.2 | 4.7 | 1.1 | 1.2 | 1.0 | 1.2 | 4.5 | 1.0 |

## Major Products Sales (OTC)

[KRW bil.]

| Productis | 2007 | 2008 | 2009 | 10'10 | 20'10 | 30 10 | 40 10 | 2010 | 10 11 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Bacchus | 112.5 | 118.8 | 116.5 | 23.0 | 36.8 | 37.6 | 31.0 | 128.3 | 26.6 |
| Panpyrin | 17.8 | 5.3 | 19.9 | 7.2 | 5.0 | 4.9 | 6.7 | 23.8 | 6.9 |
| Begen | 19.0 | 4.5 | 15.3 | 3.4 | 3.5 | 4.2 | 2.6 | 13.7 | 3.7 |
| Garglin | 13.3 | 3.5 | 15.6 | 4.2 | 4.6 | 2.9 | 3.2 | 14.9 | 3.4 |
| Morning Care | 8.2 | 3.2 | 12.2 | 2.0 | 2.6 | 1.8 | 3.4 | 9.8 | 2.8 |



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