

# Consolidated Financial Results for FY2018 (Year ended Mar. 31, 2018)

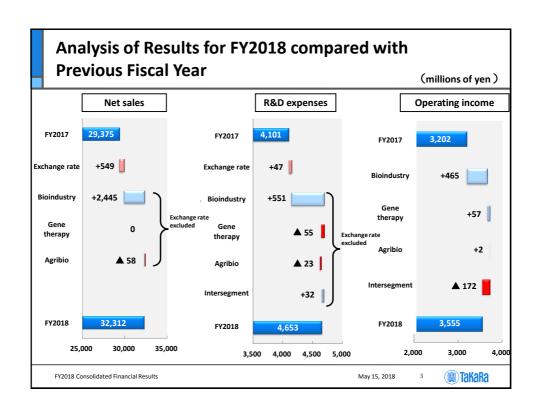
(millions of yen)

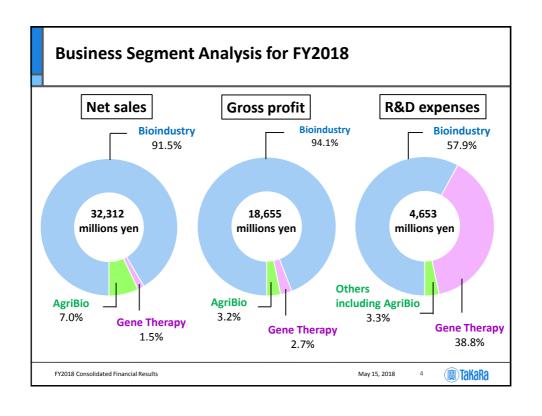
	FY2018	previous fo	Compared with previous forecast as of Nov. 7, 2017		n year
		Change	Ratio	Change	Ratio
Net sales	32,312	<b>▲</b> 687	<b>▲ 2.1</b> %	+2,937	+10.0%
Cost of sales	13,657	<b>▲</b> 661	<b>4.6%</b>	+1,234	+9.9%
Gross profit	18,655	<b>▲</b> 25	▲ 0.1%	+1,702	+10.0%
SG&A expenses	15,099	▲ 81	▲ 0.5%	+1,349	+9.8%
Operating income	3,555	+55	+1.6%	+352	+11.0%
Ordinary income	3,861	+61	+1.6%	+282	+7.9%
Net income attributable to owners of the parent	2,335	+334	+16.7%	+982	+72.6%
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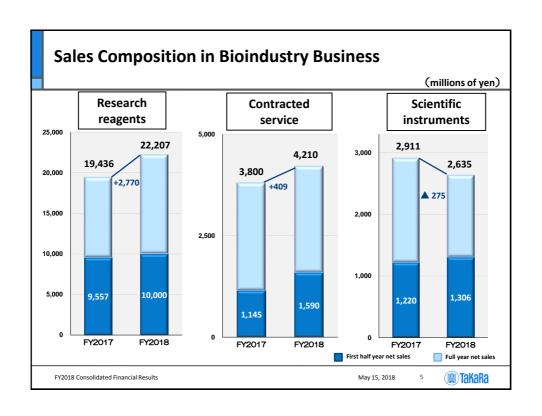
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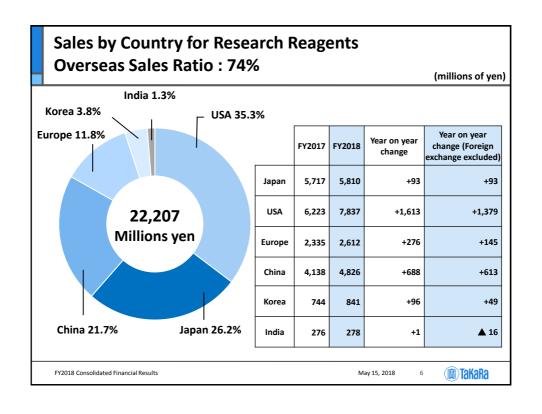
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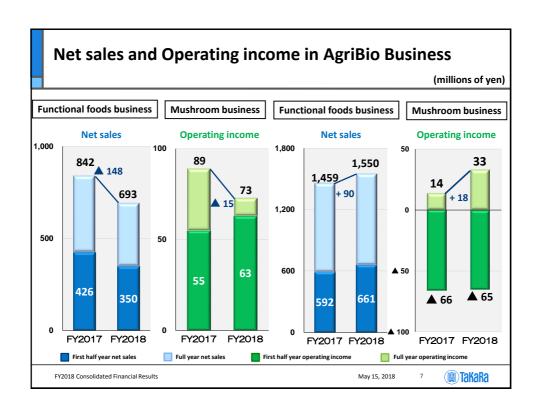


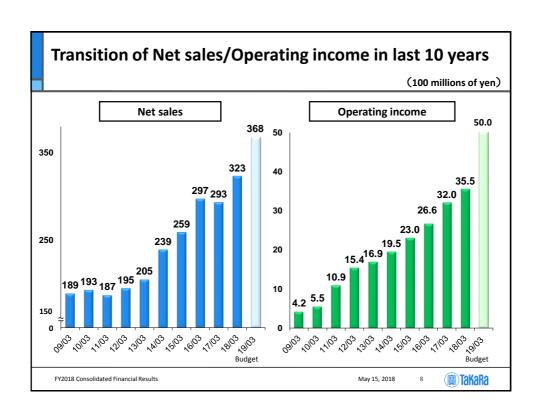












### **Budget for FY2019 vs Actual**

(millions of yen)

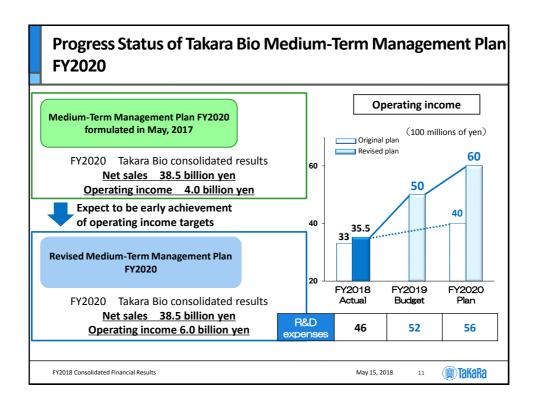
	FY2018	FY2019	Year o	n year
	Actual	Budget	Change	Ratio
Net sales	32,312	36,800	+4,487	+13.9%
Cost of sales	13,657	15,122	+1,464	+10.7%
Gross profit	18,655	21,677	+3,022	+16.2%
SG&A expenses	15,099	16,677	+1,577	+10.5%
Operating income	3,555	5,000	+1,444	+40.6%
Ordinary income	3,861	5,200	+1,338	+34.6%
Net income attributable to owners of the parent	2,335	3,100	+764	+32.8%

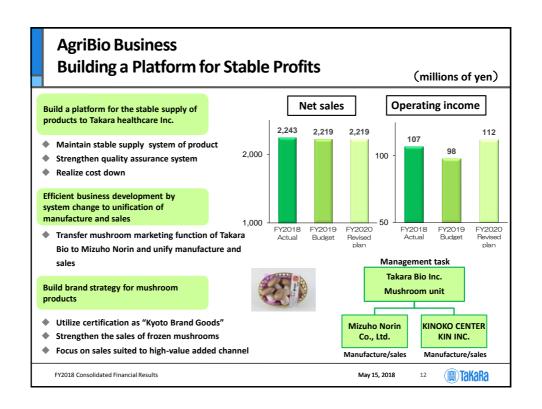
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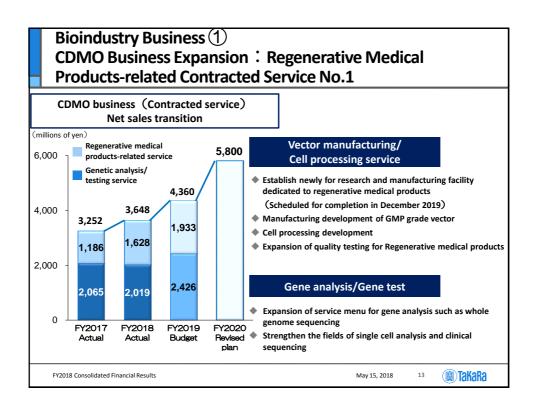
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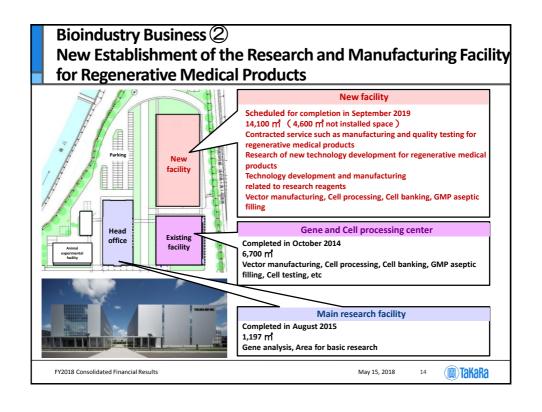


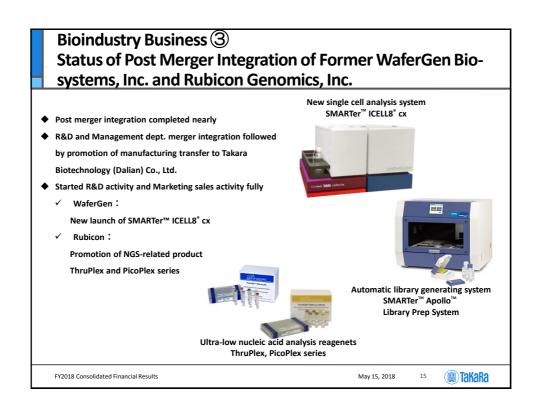
#### Progress Status of Takara Bio Medium-Term Management Plan FY2020 **Business** goal Results for initial year · Business expansion focused on viral vector Regenerative medical production and Cell processing/testing **Bioindustry** products-related Decision on new facility to accommodate future CDMO business No.1 increase in orders · HF10 Phase II targeting melanoma in Japan, Completion of recruiting, Application preparation Approval acquisition of gene Gene therapy underway for approval therapy products Cooperation with Otsuka Pharma regarding two gene-modified T cell therapy projects · Stable profitability Building a platform for Unification of manufacture and sales in AgriBio stable profits Mushroom business (Integration into subsidiaries) FY2018 Consolidated Financial Results May 15, 2018 **園TaKaRa**

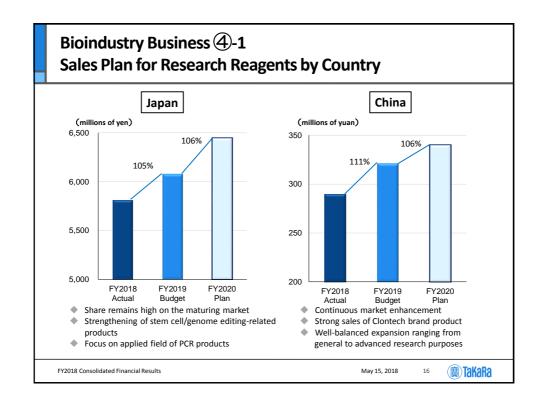


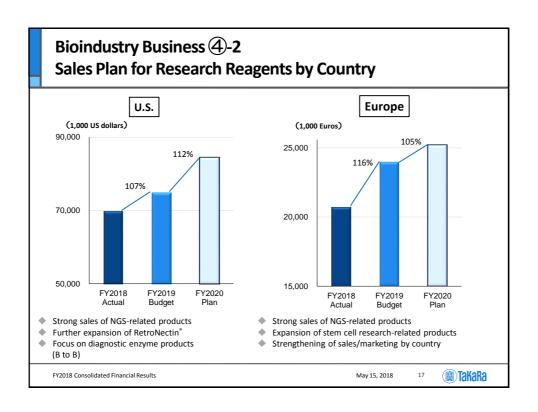


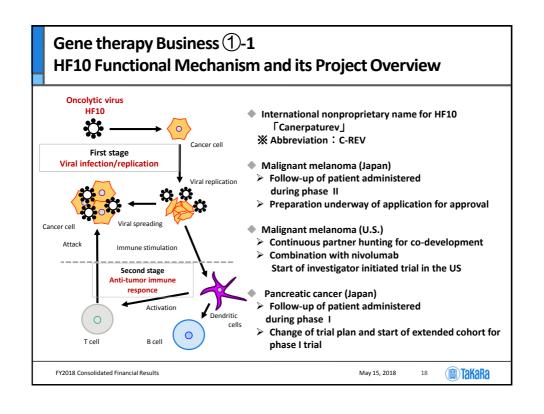




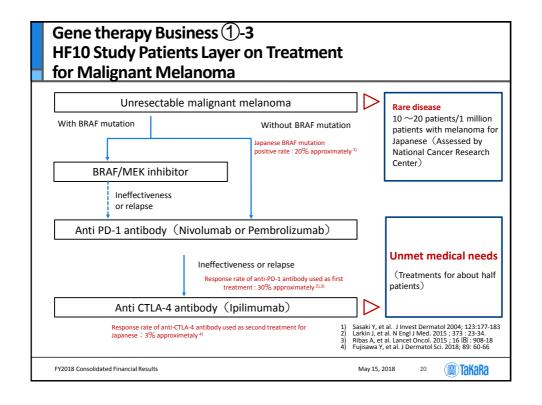


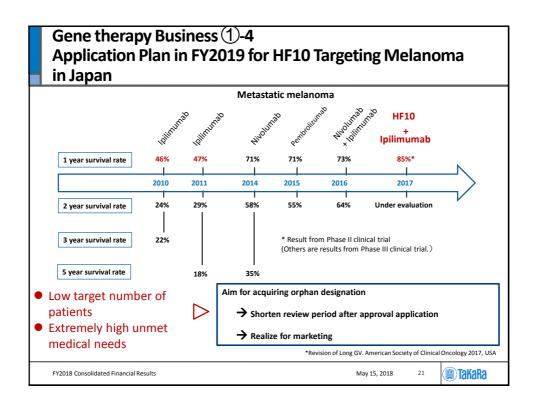


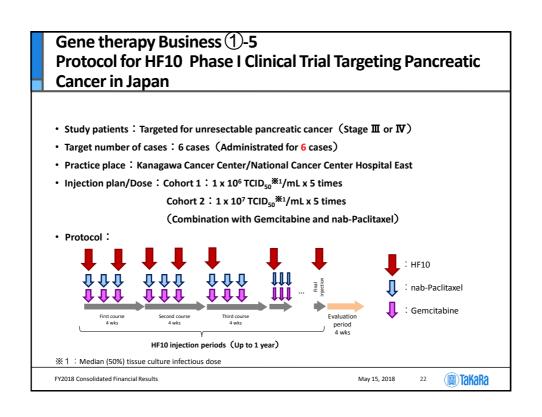




### Gene therapy Business 1)-2 HF10 Phase II Clinical Trial in Japan and its Protocol for Malignant Melanoma • Study patient: Patient with stage IIIB-IV unresectable or metastatic melanoma • Target number of cases: 25 cases (Administered for 28 cases) • Trial site: National Cancer Center Hospital and Others (12 sites in total) • injection method/Dose: 1 x 10<sup>7</sup> TCID<sub>50</sub>\*\*1/mL x 6 times (Combination with Ipilimumab) · Protocol: : Ipilimumab Evaluation period Available for injection up to 13 times with 3 wks interval\*2 %1 ∶ Median (50%) tissue culture infectious dose $\mbox{\%2}$ : Clinical trial treatment is acceptable, treatment reactivity is observed and SD, otherwise no critical PD in clinical practice FY2018 Consolidated Financial Results May 15, 2018 **園TaKaRa**







# Gene therapy Business 1-6 Overview of HF10 Phase I Clinical Trial Targeting Pancreatic Cancer/Extended Cohort in Japan

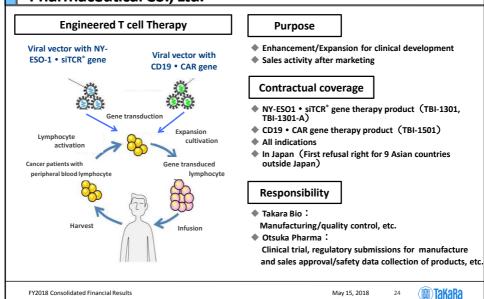
Trial name	HF10 phase I clinical trial (TBI-1401) for chemotherapy combination treatment in patients with unresectable pancreatic cancer
Study patients	Patients with unresectable pancreatic cancer (Stage III, IV)
Combination drug (Injection lesion)	Cohort① S-1 (Primary lesion) Cohort② S-1 (Primary lesion+hepatic metastatic lesion) Cohort③ Gemcitabine/nab-Paclitaxel (Primary lesion)
Evaluation item	Safety (adverse effect), Effectiveness (Response rate, duration of progression-free survival), etc
Number of cases	30 cases in total (10 cases each)
Trial period	1.5 year (Registered period: 5 months)
Trial practice place	National Cancer Center Hospital East and other 6 places

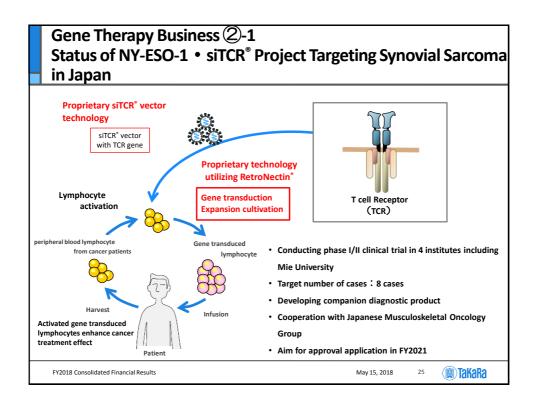
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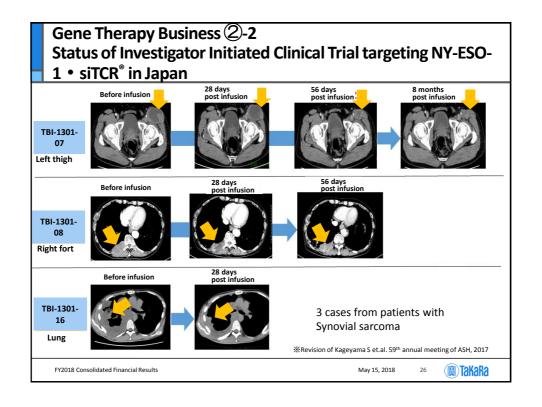
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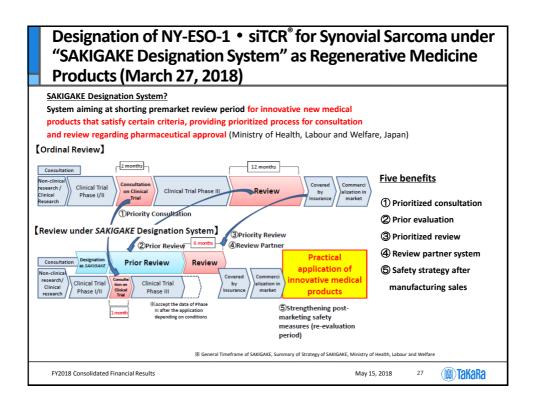


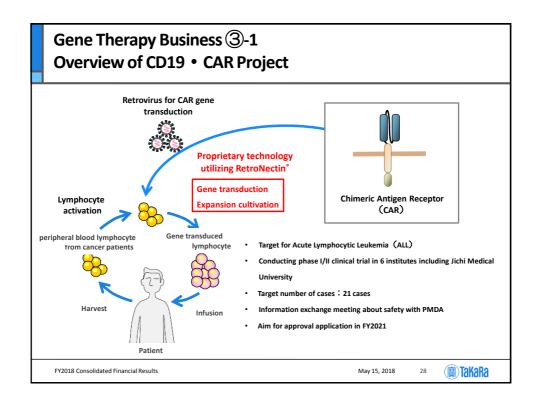
# Co-development/Exclusive Sales Agreement for NY-ESO1 • siTCR® and CD19 • CAR Gene Therapy Products with Otsuka Pharmaceutical Co., Ltd.

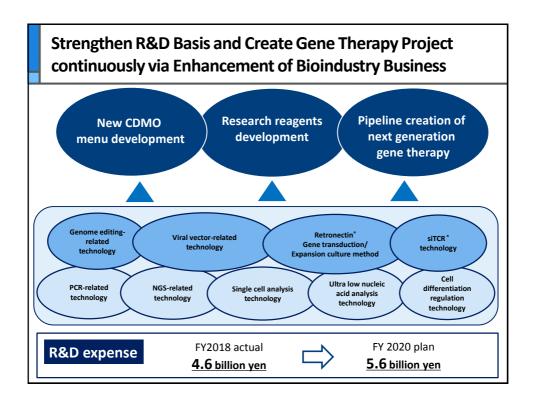












### **Forward-Looking Statements**

Statements in this news release, other than those based on historical fact, concerning the current plans, prospects, strategies and expectations of the Company and its Group represent forecasts of future results. While such statements are based on the conclusions of management according to information available at the time of writing, they reflect many assumptions and opinions derived from information that includes major risks and uncertainties. Actual results may vary significantly from these forecasts due to various factors. Factors that could influence actual results include, but are not limited to, economic conditions, especially trends in consumer spending, as well as exchange rate fluctuations, changes in laws and government systems, pressure from competitors' prices and product strategies, decline in selling power of the Company's existing and new products, disruptions to production, violations of our intellectual property rights, rapid advances in technology and unfavorable verdicts in major litigation.

For more information: PR  ${}^{\bullet}$  IR Department, Takara Bio Inc.

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#### **Reference Information**

• Segmental sales Breakdown for FY2018

(Previous Forecast as of November, 2017 vs Actual)

- Results by Consolidated Subsidiary (Budget for FY2019 vs Actual)
- Segmental sales Breakdown for FY2019 (Budget for FY2019 vs Actual)
- Results by Business Segment (Budget for FY2019 vs Actual)
- Sales by Country for Research Reagents (Budget for FY2019 vs Actual)
- Pipeline Status for developing in Gene Therapy Business

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# Segmental sales Breakdown for FY2018 (Previous Forecast as of November, 2017 vs Actual) (millions of yen)

	FY2018	Compared with previous forecast FY2018 As of Nov. 7, 2017		Year on year	
		Change	Ratio	Change	Ratio
Bioindustry	29,568	<b>▲</b> 648	▲ 2.1%	+2,995	+11.3%
Research reagents	22,207	▲ 123	▲ 0.6%	+2,770	+14.3%
Scientific instruments	2,635	▲ 309	▲ 10.5%	▲ 275	▲ 9.5%
Contracted service	4,210	▲ 234	▲ 5.3%	+409	+10.8%
Others	514	+20	+4.2%	+90	+21.3%
Gene therapy	500	•	-	-	-
AgriBio	2,243	▲ 39	<b>▲</b> 1.7%	▲ 58	<b>▲</b> 2.5%
Functional foods	693	▲ 18	▲ 2.7%	<b>1</b> 48	<b>▲</b> 17.7%
Mushrooms	1,550	▲ 20	▲ 1.3%	+90	+6.2%
Net sales total	32,312	▲ 687	▲ 2.1%	+2,937	+10.0%

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## Results by Consolidated Subsidiary (Budget for FY2019 vs Actual)

[Reference]

(millions of yen)

		FY2018	3 Actual	FY2019	Budget
	Number of employee**	Net sales	Operating income	Net sales	Operating income
Takara Bio	471	20,976	900	21,970	1,822
Mizuho Norin	24	729	28	1,480	33
Takara Bio Farming Center	0	26	9	21	4
KINOKO CENTER KIN	7	197	4	213	17
Takara Bio Europe SAS*	47	2,740	245	3,498	449
Takara Bio Europe AB*	29	511	▲ 75	720	<b>113</b>
Takara Biotechnology (Dalian) *	517	3,613	884	3,747	906
Takara Biomedical Technology (Beijing) *	73	5,448	655	5,887	820
Takara Korea Biomedical *	26	998	148	1,037	156
DSS Takara India Pvt. Ltd. *	56	336	▲ 14	390	17
Takara Bio USA Inc.*	198	10,725	1,122	11,991	1,520
Takara Bio USA Holdings Inc*	0	-	▲ 50	-	▲ 3

\*\* As of Mar. 31, 2018

\* Financial report from January to December

# Segmental sales Breakdown for FY2019 (Budget for FY2019 vs Actual)

[Reference]

(millions of yen)

	FY2018	Y2018 FY2019		n year
	Actual	Budget	Change	Ratio
Bioindustry	29,568	32,719	+3,150	+10.7%
Research reagents	22,207	24,071	+1,864	+8.4%
Scientific instruments	2,635	3,262	+627	+23.8%
Contracted service	4,210	5,002	+791	+18.8%
Others	514	382	<b>▲</b> 132	▲ 25.7%
Gene therapy	500	1,860	+1,360	+272.1%
AgriBio	2,243	2,219	▲ 23	▲ 1.1%
Functional foods	693	555	<b>▲</b> 137	▲ 19.8%
Mushrooms	1,550	1,664	+113	+7.3%
Net sales total	32,312	36,800	+4,487	+13.9%

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Results by Bus	sinass Sagi	ment		[Re	ference]
(Budget for	_			(millior	ns of yen)
<fy2018 actual=""></fy2018>	Bioindustry	Gene therapy	Agribio	Intersegment	Total
Net sales	29,568	500	2,251	<b>▲</b> 7	32,312
Gross profit	17,553	500	601	-	18,655
Selling, general and administrative expenses	10,870	1,822	494	1,912	15,099
Operating income from above	2,693	1,804	6	148	4,653
Operating income	6,683	<b>▲</b> 1,322	107	▲ 1,912	3,555
<fy2019 budget=""></fy2019>	Bioindustry	Gene therapy	Agribio	Intersegment	Total
Net sales	32,719	1,860	2,219	-	36,800
Gross profit	19,209	1,850	617	-	21,677
Selling, general and administrative expenses	11,686	2,159	518	2,312	16,677
Operating income from above	2,703	2,139	0	385	5,229
Operating income	7,523	▲ 309	98	▲ 2,312	5,000
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(Budget for FY2019 vs Actual) (millions of ye				
	FY2018 Actual	FY2019 Budget	Year on year change	Year on year change (Foreign exchange excluded)
Japan	5,810	6,079	+268	+268
USA	7,837	8,317	+480	+567
Europe	2,612	3,140	+527	+424
China	4,826	5,279	+452	+523
Korea	841	881	+39	+51
India	278	373	+95	+101
			•	

#### [Reference]

## Pipeline Status for developing in Gene Therapy Business

HF10 (TBI-1401) at projects HF10 (TBI-1401)	Japan  Japan  USA	Indications  Pancreatic cancer  Malignant melanoma	Phase II in progress Preparation underway for application  Status  Phase I in progress  Phase III preparation underway	FY2019 (Sales/Otsuka Pharma)  Partner, etc  Otsuka Pharma  Seeking
HF10	· ·	Pancreatic cancer	Phase I in progress	Otsuka Pharma
HF10	· ·	Pancreatic cancer	Phase I in progress	Otsuka Pharma
	· ·		Phase <b>II</b> preparation	
	USA	Malignant melanoma		Seeking
		Synovial sarcoma	Phase I / II in progress	Otsuka Pharma
NY-ESO-1 (TBI-1301)	Japan	Solid cancer	Phase I in progress	Investigator initiate
TCR		Under review	Preparation underway	Otsuka Pharma
MAGE-A4 (TBI-1201)	Japan	Esophageal cancer, etc	Phase <b>I</b> in progress	Investigator initiat
CD19 • CAR		Adult ALL*	Phase <b>I</b> / <b>I</b> in progress	Otsuka Pharma
(TBI-1501)	Japan	Childhood ALL, etc	Under review	Otsuka Pharma
_	MAGE-A4 (TBI-1201)	MAGE-A4 (TBI-1201) Japan	MAGE-A4 (TBI-1201) Japan Esophageal cancer, etc  R CD19 • CAR (TBI-1501) Japan (TBI-1501)	MAGE-A4 (TBI-1201) Japan Esophageal cancer, etc Phase I in progress  CD19 • CAR (TBI-1501) Japan Adult ALL* Phase I / II in progress

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