

1. The Ministry of Agriculture, Forestry and Fisheries

(Unit: million yen)

Breakdowns of budgets	Budget for FY 2006	Rough budget decided for FY 2007	Year-on-year basis (%)
Science- and technology-related expenses	120,988	129,027	106.6
Promotion of science and technology	117,355	118,704	101.1
I R&D geared toward Japanese lifestyle improvements			
1. Creation of new food products and materials			
(1) Promotion of research geared toward creation of new demand (as part of comprehensive efforts to promote agricultural genome research)	0	589	New project
(2) Development of nano-scale processing technology of food materials and its evaluation	129	204	Reorganized
2. Development of practical uses for biomass-derived fuels and materials	0	1,500	New project
○Development of biomass utilization technology for the purpose of stimulating regional economies			
II R&D that supports globalized agriculture, forestry, fisheries, and food industries			
1. Establishment of models for cutting production costs in half in order to broaden the business scale	0	604	New project
○Development of new production systems assisted by IT that contribute to the training of leaders			
2. Stabilization and expansion of the supply of high-quality, Japanese-grown soy beans	0	450	New project
○Development of DNA markers for the purpose of expansion of genome research from rice to other crops (as part of comprehensive efforts to promote agricultural genome research)	0	207	New project
3. Securement of marine resources and stabilization of their management			
○Development of technologies for predicting and controlling marine life population explosions due to environmental changes	0	1,782	New project
4. Development of international strategies through new technologies			
(1) R&D for the purpose of promoting exports and expansion of food industry business overseas (as part of efforts that involve the use of leading technologies to advance research in the fields of agriculture, forestry, and fisheries)	0	176	New project
(2) Promotion of research geared toward the stabilization of global food supply and demand (as part of comprehensive efforts to promote agricultural genome research)	81,276	82,715	101.8
III Other			
○Subsidies for independent administrative institutions (excluding competitive research budgets)			

2.The Ministry of the Environment

(Unit: million yen)

Item	Budget for FY2006	Budget for FY2007	Remarks
1. Expenses for tests and research relating to global environment conservation	484	444	[FY2006] 26 subitems [FY2007] 28 subitems
2. Expenses for surveys and research on pollution control, etc.	1,907	1,762	[FY2006] 16 subitems [FY2007] 16 subitems "Project for environmental specimen encapsulation," "Development of a diversified assessment system of health and effects on ecology," etc.
3. Expenses for a biotechnology study	58	58	Expenses relating to surveys necessary for the prevention of effects on biodiversity arising from the use of genetically modified products
Project concerning measures to deal with genetically modified organisms	58	55	
4. Revenue for competitive research	(8,153)	(8,404)	Figures in parentheses include expenses not associated with bioindustry, which are excluded from the total.
1) Expenses for the general promotion of global environmental studies	(3,256)	(2,960)	
2) Expenses for the promotion of environmental technology development, etc.	(881)	(881)	
3) Grant for scientific research such as waste treatment, etc.	(1,300)	(1,261)	
4) Project concerning the development of technology to counter global warming	(2,716)	(3,302)	
5. National Institute for Environmental Studies	Included in the grant	Included in the grant	This item covers the amount granted to the National Institute for Environmental Studies for operating expenses, which includes expenses not related to biotechnology, and are therefore excluded from the total.
Total	2, 449	2,264	

The totals may not add up due to rounding up.

3.The Ministry of Economy, Trade and Industry

(Unit: million yen)

Measures	Government Draft Budget for FY2006	Government Draft Budget for FY2007	
Health assurance programs			
Technology development to facilitate bridging between fundamental research and applied research	-	1,900	※
Research and development project on intelligent operating device	-	700	
Basic biotechnology supporting acceleration of genomics-based drug development	3,500	3,380	※
Development of fundamental protein structure analysis technologies for the purpose of accelerating drug discovery	-	980	
Development of newly functional antibody creation technology	1,200	1,190	※
Development of technology-combined biodiagnostic technology for realizing personalized medicine	650	400	※
Development of sugar chain function application technology	1,190	1,190	※
Functional RNA project	900	850	※
Genome information integration project	545	518	
Research and development on next-generation DDS-type treatment systems for malignant tumors	1,010	1,060	※
Research and development on the evaluation of regenerative medicine	650	830	※
Research and development on molecular imaging equipment	1,030	1,200	※
Project on guidelines for the development of medical equipments	84	71	
Research on bioethical and other issues relating to the commercialization of biotechnology	39	35	
Safety measures in bioindustry	58	57	
Project on promoting the development of practical applications of care goods	120	120	※
Collection, analysis and supply of information on care goods	28	28	※
Subtotal	11,004	14,509	
Programs aimed at the creation of environmentally sound industrial systems that utilize biological functions			
Development of basic technology for advanced manufacturing using plants	1,928	1,658	
• Development of basic technology to produce high value added substances using plants	1,120	1,040	
• Development of streamlined technology to produce industrial materials using solar energy through plant	808	618	※
Development of basic technology for environmentally sound manufacturing using microorganisms	1,567	1,381	
• Development of basic technology for environmentally sound manufacturing using microorganisms	1,567	1,181	※
• Development of highly efficient environmental bioprocessing technology based on designing microorganisms	-	200	※
Establishment of a genetic resource library of unknown microbes based upon genome information	410	410	※
Project on promotion of access to genetic resources in the context of the Convention on Biological Diversity	56	53	
Enforcement measures for the law on CBD through regulation of the utilization of genetically modified organisms	10	10	
Subtotal	3,971	3,512	
Promotion of basic research and biotechnology-related measures			
Expenses relating to a depository of microbes for patent application	285	233	
“Human Frontier Science Program”	1,287	1,344	
Contributions to biotechnology-related projects by the OECD’s Committee for Scientific and Technological Policy	12	13	
Study of bioremediation technology for oil pollution on the coast of the Malacca Strait	180	153	※
Study of technology for dealing with bacterial corrosion in oil-related facilities	81	69	※
Technology development for the large-scale fixation of carbon dioxide	200	175	※
Project promoting a systematic application of biomass energy in a local community	1,700	800	※
Verification tests of unused energy sources (e.g. biomasses)	488	560	※

Surveys of businesses that provide unused energy resources (e.g. biomasses)	341	335
Standardization and demonstration of regional linkage system of medical information	280	210
Demonstration of the interoperability of medical information systems	300	150
Strategic development of technologies for rationalized energy use	inclusive in 6,200	inclusive in 8,000
Subtotal	5,154	4,042
Safety management and support for business creation and expansion		
Granted projects for the development and practical application of industrial technologies	inclusive in 6,594	inclusive in 9,675
Total	20,129	22,063

1. Those marked as “Inclusive” in the budget column are excluded from the total amount.
2. Budget items marked “*” include projects promoted by the independent administrative agency using the administrative cost subsidy.
However, this is a current estimate and is subject to alteration when the said agency promotes the projects.
3. The totals may not add up due to rounding up.
4. Subtotal of budgets for FY2006 does not include budgets for the projects completed in FY2006.

2. The Ministry of Health, Labour and Welfare

(Unit: million yen)

Item		Budget for FY2006	Draft Budget for FY2007	Year-on-year rise or fall	Year-on-year percentage changes	Remarks
General account	Science and technology promotion expenditure	109,776	111,763	1,987	101.8%	
	Subsidies for science research on welfare and labour	42,790	42,789	△ 1	100.0%	* refers to expenses relating to Health Frontier
	1. Ensuring health and safety					
	(1) Expenses for research into new and reemerging infectious diseases	2,326	2,396	70	103.0%	Improving measures against new and reemerging infectious diseases
	(2) Expenses for research into measures against AIDS	2,013	2,073	60	103.0%	
	(3) Expenses for research into emergency measures for hepatitis control	1,093	1,426	333	130.5%	
	* (4) Expenses for comprehensive research into evaluation of medical safety and technology	1,317	915	△ 402	69.5%	Ensuring safety in medical treatment
	(5) Expenses for research into the promotion of ensuring food safety and security	1,448	1,491	43	103.0%	Ensuring food safety
	2. Promoting health and peace of mind					
	(1) Expenses for the tertiary general strategy against cancer	3,606	3,946	340	109.4%	Developing approaches to prevention, diagnosis and treatment of cancer
	(2) Expenses for clinical studies on cancer	1,923	2,232	309	116.1%	
	(3) Expenses for comprehensive research into lifestyle diseases, e.g., cardiovascular disorders	2,385	2,721	336	114.1%	Promoting measures for lifestyle-related diseases and mental health
	* (4) Expenses for research into the science of mental health	2,223	1,954	△ 269	87.9%	
	3. Implementing cutting-edge health care					
	* (1) Expenses for research into regenerative medicine (provisional)	927	797	△ 130	86.0%	Developing basic technology for realizing advanced medicine
	* (2) Expenses for research promoting drug discovery infrastructure (provisional)	6,505	5,306	△ 1,199	81.6%	
	* (3) Expenses for research and development of medical equipment (provisional)	2,592	2,760	168	106.5%	Establishing foundation of clinical studies (trials)
	* (4) Expenses for comprehensive research into practical application of medical technology (provisional)	3,274	4,130	856	126.1%	
	4. Expenses relating to the Health Frontier Strategic Plan (re-inserted)	23,260	23,750	490	102.1%	Research expenses marked * also re-inserted
	Research institutes	28,424	30,425	2,001	107.0%	Running cost for national research institutes of and independent administrative institutes
	Subsidies for research expenses into the treatment of intractable diseases	24,251	24,962	711	102.9%	
Expenses for research into the treatment of chronic intractable diseases in childhood	11,506	10,804	△ 702	93.9%		
Other	2,805	2,784	△ 21	99.3%	Subsidies for the Research Institutes of Tuberculosis and the Radiation Effects Research Foundation	
Of which, expenses relating to the Health Frontier Strategic Plan	(40)	(50)	(10)	125.0%	Promoting assessment	
Other	1,461	1,451	△ 10	99.3%		
Subtotal	111,237	113,124	1,887	101.7%		
Special account for the national centres for advanced specialized medical treatment	National centers for advanced specialized medical treatment	10,558	9,794	△ 764	92.8%	Expenses for Clinical Development Center, Hospital East, National Cancer Center and Research Institute, National Cardiovascular Center, etc.
	Of which, expenses relating to the Health Frontier Strategic Plan	(815)	(594)	(△ 221)	72.9%	
	Subsidies for cancer research, etc.	4,144	4,024	△ 120	97.1%	
	Expenses for treatment research by national centers for advanced specialized medical treatment	259	254	△ 5	98.1%	
Subtotal	14,961	14,072	△ 889	94.1%		
Special account for industrial investment	Bayh-Dole consignment fee for the research and development of pharmaceutical products (Special account for industrial investment)	1,400	1,200	△ 200	85.7%	Providing Bayh-Dole-type assistance to private companies for the promotion of research into the development of pharmaceutical products and medical equipment, etc.
Special account for labour insurance	(Special account for labour insurance)	3,161	3,043	△ 118	96.3%	Expenses for National Institute of Occupational Safety and Health
Total		130,759	131,529	770	100.6%	
Total expenses for Health Frontier		24,115	24,393	278	101.2%	

* "Expenses relating to Health Frontier" above means expenses for "science and technology to extend people's healthy life-span" in Health Frontier Strategic Plan.

3. The Ministry of Education, Culture, Sports, Science and Technology

(Unit: million yen)

Breakdowns of budgets	Budget for FY2006	Rough draft budget for FY2007
① Reproduction technology for biological programs <ul style="list-style-type: none"> • Research program on target proteins (2007–2011) • Strategic research on structure and function of genomes (genome network research) (2004–2008) • Comprehensive research project on genome science (Institute of Physical and Chemical Research) • Simulation project on living cells and organisms (2003–2007) • Research on new function of RNA (Institute of Physical and Chemical Research) • Systematic glycobiology research (Institute of Physical and Chemical Research) • Comprehensive research on brain science (Institute of Physical and Chemical Research) • Comprehensive research project for immunity and allergy science (Institute of Physical and Chemical Research) 	- 2,300 5,700 700 300 9,400 3,600	5,500 (New project) 2,300 5,300 500 300 100 (New project) 9,200 3,500
② Clinical Research • Translational Research to Clinical Practice <ul style="list-style-type: none"> • Program for support and promotion of translational research (2007–2011) • Project on the realization of a medical care system tailored to individual genetic information (2003–2007) (Project for realizing tailor-made medical care) • Promotion of research on single nucleotide polymorphisms (Institute of Physical and Chemical Research) • Project on the realization of regenerative medicine (2007–2016) • Comprehensive research project for developmental and regenerative science (Institute of Physical and Chemical Research) • Molecular imaging research program (2005–2009) 	- 3,100 1,600 1,100 4,900 1,000	1,500 (New project) 2,600 (1,600) 1,000 4,800 1,400
③ Targeted Treatment and Other Innovative Cancer Treatment Technology <ul style="list-style-type: none"> • Promotion of research aimed at the development of innovative cancer treatment (2004–2008) • Program for support and promotion of translational research (2007–2011) [Re-listed] • Program for training personnel in ion beam cancer treatment (2007–2011) • Promotion of experimental research on heavy particle radiotherapy (National Institute of Radiological Sciences) 	900 - - 5,500	700 1,500 (New project) 40 (New project) 5,500
④ Technology for Battling Emerging and Reemerging Infectious Diseases <ul style="list-style-type: none"> • Program on the formation of a research hub for emerging and reemerging infectious diseases (2005–2009) 	2,600	2,800
⑤ Production/Supply Technology of Safe Foods for Improved International Competitiveness		
⑥ Production & Environmental Improvement Technologies Based by the Use of Biological Functions <ul style="list-style-type: none"> • Research on plant science (Institute of Physical and Chemical Research) 	1,700	1,600
Total	68,400	68,800