

가가 가

가

가
10
9 2000 8
3 가

(: 100 , %)										
가	1989		1990		1991		1992		1993	
	34,500	28.9	33,000	27.4	40,200	28.7	48,900	29.5	63,590	30.8
	24,000	20.1	22,500	18.7	26,100	18.6	29,850	18.0	44,513	21.5
	9,600	8.0	9,600	8.0	10,800	7.7	14,250	8.6	12,718	6.2
	8,700	7.3	9,150	7.6	9,750	7.0	12,300	7.4	14,308	6.9
	8,250	6.9	9,000	7.5	10,200	7.3	10,200	6.1	9,538	4.6
	3,750	3.1	4,200	3.5	4,650	3.3	5,400	3.3	6,359	3.1
	3,150	2.6	3,300	2.7	3,750	2.7	4,500	2.7	N.A.	-
	3,000	2.5	2,700	2.2	3,300	2.4	3,600	2.2	N.A.	-
	1,800	1.5	1,650	1.4	2,100*	1.5*	2,700	1.6	3,003*	1.4*
	22,650	19.0	25,200	20.9	29,250	20.8	34,200	20.6	55,641	26.9
	119,400	100.0	120,300	100.0	140,100	100.0	165,900	100.0	206,667	100.0
	22.46		0.75		16.46		18.41		24.57	

* :
: 1989~1992 (1 =1,200 , 1 : 800)
1993 (1 =1,240 , 1 : 780)
: JPMA, DATA BOOK(1989~1994)

4

가

94 () 3 7000 14.2%
95 94 14.5% 가 가
95 가 13.4%
94 () 5 7000
93 12.6% 가 2

(: , %)												
	1991			1992			1993			1994		
	24,906	13.50	83.98	27,589	10.77	83.82	28,353	2.76	83.15	31,913	12.55	81.45
	3,992	18.40	16.02	4,466	11.70	16.18	4,780	7.00	16.85	5,922	23.80	18.55
	28,898	-		32,055	10.92		33,133	3.36		37,835	14.19	

* : 1 =780
=(+ + +)
:

2 301

[illegible]

5 (1990~1994) (: 100 , %)								
						*		
1990	3,187,089	187,831	16,033	211,321	17,312	-	3,619,586	20.9
1991	3,709,801	244,870	24,862	252,522	20,456	-	4,252,511	17.5
1992	3,996,371	264,560	29,814	297,194	25,510	51,990	4,639,929	9.4
1993	4,343,307	290,847	33,265	333,040	30,224	31,917	5,062,654	9.1
1994	4,907,866	3,794	33,353	389,686	24,711	34,417	5,701,827	12.6

$$\begin{aligned} & \ast \quad \vdots \quad , \quad , \quad (92) \\ & \quad \vdots \\ & \quad \vdots \end{aligned}$$
[illegible]

가

가

89

4

50%

가

가

가

OTC

가

10%

가

()						(: 100 , %))					
	1980	1985	1990	1991		1992		1993		1994	
	14,877	56,478	234,520	321,046	36.8	386,673	20.4	440,626	13.9	509,526	15.6
	71,045	182,754	507,491	564,673	11.2	651,816	15.4	714,740	9.6	788,151	10.2
	30,244	74,646	136,435	149,854	9.8	153,817	2.8	141,492	8.0	148,316	4.8
	75,900	205,240	390,275	483,920	23.9	503,234	3.9	508,782	1.1	614,448	20.7
	116,022	245,805	513,354	555,687	8.2	578,547	4.1	615,805	6.4	677,817	10.0
	1,980	42,597	61,499	78,439	27.5	112,548	43.4	143,437	27.4	125,430	12.5
	477	2,454	19,613	22,883	16.6	24,389	6.5	30,643	25.6	31,174	1.7

)

7가

「

(A,D

)「

E

K

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94

400

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」 171

43%

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E

K

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94

23%

80

600

90

가

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84

700

87

823 , 90

1364 , 94

1483

10

2

90

가

가

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K

가

100

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E

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90

100

94

90

2

282

가

가

94

6144

5

11%

, 94

20.7%가 가

가 ,

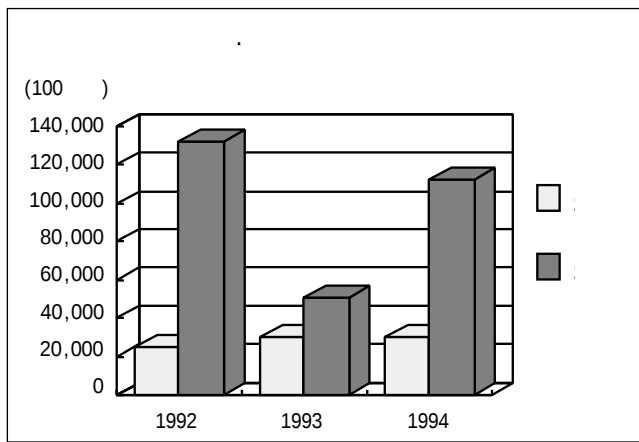
가

가 가

3가

가

가



) 92 93 93

92

92~93

(1994) (:)		
	RIA(), IMx, Axsym, Spectrum	230
	Boehringer Mannheim, MAST, Bio-Rad, ABI	160
	Hitachi, Kodak	120 *
	latron, Fuji Rebio,	100
	Behring	65
	Roche	65
	, IRC	55
	Eiken	40
		40
	Ciba-Corning	45
		40

*)

20%

91

가

가

300

가

가

G7

가

(+) 221

35.2% 78

가

가

가

84 가 90 30%

-12.5%

670 53%

89 () 가 가

가

94 1254 12.5% , 94 5

95

, B C

(: , 1000 , %)							
가	1993			1994			
	246	11,831	4,343,307,979	224	11,503	4,906,681,862	12.97
	128	656	290,847,239	121	586	313,188,734	7.68
	8	17	3,077,168	13	27	3,794,676	23.32
	24	28	6,308,605	18	22	6,525,569	3.44
	48	149	22,583,497	47	150	22,701,231	0.52
	34	1,075	33,264,997	29	1,122	33,353,598	0.27
	62	337	333,040,197	56	384	389,686,411	17.01
	18	143	30,224,649	16	118	24,711,097	18.24
	568	14,236	5,062,654,331	524	13,912	5,700,643,178	12.60

가

60%

4%

6%

95 183 (

14 6000) 95 1650

16%

20

70 3 70 , 80

, 90

70

latron

80

가 FDA
Boehringer Mannheim Bayer · Miles 가

(: ,100 , %)							
		1993	1994		1993	1994	
100		2,719	2,660	2.1	616,285	718,169	16.5
110		1,805	1,730	4.1	437,590	505,337	15.4
120		473	475	0.4	85,977	105,185	22.3
130		217	221	1.8	42,656	50,013	17.2
140		201	207	2.9	49,435	56,943	15.1
190		23	27	17.3	627	691	10.2
200		4,732	4,542	4.0	1,656,323	1,860,013	12.2
210		1,053	1,090	3.5	439,892	509,527	15.8
220		715	672	6.0	161,628	159,899	1.0
230		1,644	1,510	8.1	716,510	788,151	9.9
240		256	233	8.9	60,991	71,733	17.6
250		307	297	3.2	47,158	51,786	9.8
260		743	729	1.8	229,779	278,576	21.2
290		14	11	21.4	365	341	6.5
300		2,197	2,067	5.9	980,525	1,127,186	14.9
310		460	406	17.3	141,146	148,316	5.0
320		687	663	3.4	508,871	614,449	20.7
330		174	162	6.8	50,189	56,970	13.5
340		46	38	17.3	9,723	15,148	55.7
390		830	798	3.8	270,596	292,303	8.0
400		197	236	19.7	38,061	73,223	92.3
410		6	6	0	921	1,082	17.4
420		161	197	22.3	32,854	66,687	102.9
430		7	8	14.2	30	27	10.0
490		23	25	8.6	4,256	5,427	27.5
600		1,409	1,449	2.8	961,232	1,026,743	6.8
610		895	960	7.2	617,191	677,817	9.8
620		286	276	3.4	77,064	118,277	53.4
630		95	99	4.2	209,160	191,491	8.4
640		132	114	13.6	57,806	39,158	32.2
690		1	-	-	11	-	-
700		577	583	1.0	90,881	102,532	12.8
710		266	257	3.3	8,834	9,877	11.8
720		262	257	6.1	30,643	31,174	1.7
730		30	28	6.6	30,500	36,391	19.3
740		16	16	0	19,436	24,348	25.2
790		3	4	33.3	1,468	742	49.4
		11,831	11,537	2.4	4,343,307	4,907,866	12.9

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50 (1994) (: 1000 , %)					
			1993	1994	
1	5mg		83,667,971	121,081,732	44.7
2			0	43,358,338	—
3			30,426,544	30,745,869	1.1
4			24,202,959	30,374,531	25.5
5			24,366,689	27,854,427	14.3
6			25,185,805	25,574,091	1.5
7			17,635,259	24,655,833	39.8
8	20%		27,091,013	24,474,063	9.6
9			20,105,050	22,899,969	13.9
10			20,226,528	22,243,263	10.0
11	-		23,810,793	20,988,102	11.8
12			34,502,768	20,959,788	39.3
13			19,920,166	18,367,751	7.8
14	150mg		0	18,035,625	—
15			14,644,860	17,210,053	17.5
16			20,823,028	17,119,735	17.8
17	-	()	13,596,024	16,923,903	24.5
18			17,519,267	16,527,910	5.7
19			25,662,870	16,246,229	36.7
20	750mg		11,669,164	16,028,571	37.4
21			11,132,151	15,861,123	42.5
22			14,348,782	15,828,728	10.3
23	20%	L G	5,932,363	15,644,030	163.7
24			13,619,127	14,866,409	9.3
25			9,633,877	14,709,366	52.7
26	-	()	14,586,730	14,447,513	1.0
27			12,715,739	14,381,885	13.1
28			13,592,064	14,179,999	4.3
29	250mg		0	13,888,317	—
30			15,189,382	13,860,623	8.8
31			3,038,246	13,375,714	340.2
32	100mg		11,444,128	13,099,689	14.5
33			9,417,550	12,814,579	36.1
34			15,578,636	12,589,826	19.2
35	100mg		9,078,244	12,520,020	37.9
36			11,749,312	12,082,657	2.8
37			8,727,219	11,749,167	34.6
38			10,349,732	11,736,871	13.4
39			8,743,858	11,116,840	27.1
40			6,800,769	10,788,513	58.6
41			18,230,212	10,786,160	40.8
42			6,891,450	10,453,698	51.7
43			15,888,755	10,115,371	36.3
44			8,940,913	9,919,748	11.0
45			9,528,846	9,865,669	3.5
46			6,030,395	9,593,210	59.1
47			13,282,084	9,307,219	29.9
48			8,368,337	9,278,650	10.9
49			6,213,416	9,137,231	47.1
50			6,716,112	9,096,498	35.4

(: 1000 , %)				
		1994	1993	
1		28,444,086	16,356,582	73.90
2		25,030,926	22,569,257	10.91
3		19,470,767	21,788,500	10.64
4		19,078,763	24,023,572	20.58
5		18,301,361	15,990,987	14.45
6		15,474,736	17,658,525	12.37
7		11,794,756	7,386,766	59.67
8		11,047,500	7,975,935	38.51
9		10,859,664	4,305,095	152.25
10		9,005,846	6,699,935	34.42
11		8,307,416	9,767,329	14.95
12		8,272,578	855,350	867.16
13		8,269,045	516,309	1501.57
14		7,382,536	6,798,873	8.58
15		7,372,421	10,031,488	26.51
16		7,161,384	5,854,055	22.33
17		6,720,851	6,752,218	0.46
18		6,550,346	8,632,755	24.12
19		5,837,580	6,980,152	16.37
20		5,312,858	4,497,215	18.14
21		5,147,383	6,578,170	21.75
22		4,660,569	4,763,141	2.15
23	L G	4,659,694	2,509,677	85.67
24		3,343,909	2,828,560	18.22
25		3,217,649	2,612,474	23.16
26		3,136,940	2,630,368	19.26
27		2,818,840	794,249	254.91
28		2,790,160	3,612,770	22.77
29		2,485,414	2,631,542	5.55
30		2,402,445	1,831,460	31.18
31		2,225,376	2,053,736	8.36
32		2,038,608	2,000,856	1.89
33		2,020,789	1,684,950	19.93
34		1,912,145	1,919,142	0.36
35		1,887,059	1,469,274	28.43
36		1,878,488	1,826,963	2.82
37		1,722,727	874,910	96.90
38		1,664,235	2,240,421	25.72
39		1,386,803	1,317,721	5.24
40		1,301,904	1,020,947	27.52
41		1,234,532	834,972	47.85
42		1,185,853	1,369,750	13.43
43		1,077,079	1,098,917	1.99
44		1,038,096	988,050	5.07
45		1,009,862	940,732	7.35
46		1,001,807	502,926	99.90
47		890,667	768,185	15.94
48		849,341	709,783	19.66
49		779,234	789,345	1.28
50		668,316	387,345	77.70

Abbott() 80

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(: 1000 ,%)				
		1993	1994	
) 20%()		10,293,868	20,750,716	101.6
		7,386,766	11,794,756	59.7
		7,795,935	11,047,500	38.5
		4,488,531	10,388,450	131.4
		0	8,269,045	-
		6,832,768	7,405,288	8.4
		2,452,761	7,272,348	196.5
		6,142,136	6,561,940	6.8
		6,293,194	6,093,571	3.2
		8,178,835	5,585,580	31.7
		5,775,350	5,366,900	7.1
		1,309,336	5,327,098	306.9
		6,277,304	5,234,673	16.6
		11,697,471	5,193,313	55.6
		5,770,680	5,143,140	10.9
		4,967,800	4,618,700	7.0
		354,891	4,524,637	1174.9
		4,568,718	4,056,987	11.2
		3,185,325	3,654,200	14.7
		3,733,686	3,631,914	2.7
		0	3,589,800	-
		1,900,463	3,415,532	79.7
		3,659,743	3,314,175	9.4
		2,220,881	3,010,175	35.5
		2,635,904	2,970,955	12.7
		0	2,995,136	-
		2,122,596	2,906,650	36.9
		783,114	2,891,725	269.3
		2,887,850	2,817,920	2.4
		3,102,300	2,788,761	10.1

(1994) (: 100 ,%)				
				R&D
1		236,897	8,092	3.4
2		154,170	8,477	5.4
3		151,136	4,576	3.0
4		148,000	5,651	3.8
5		128,400	4,727	3.6
6		114,000	4,394	3.8
7		111,137	1,614	1.4
8		110,923	4,440	4.0
9		110,035	5,422	4.9
10		85,000	3,905	4.5
11		65,717	1,093	1.6
12		65,949	2,045	3.1
13		64,338	1,522	2.3
14		63,429	2,925	4.6
15		62,498	2,201	3.5
16		60,105	497	0.8
17		51,862	2,187	4.2
18		51,026	1,281	2.5
19		50,845	844	1.6
20		46,962	1,808	3.8
21		42,022	1,017	2.4
22		40,600	1,250	3.0
23		35,270	580	1.6
24		35,051	541	1.5
25		33,648	951	2.8
26		30,259	395	1.3
27		28,000	736	2.6
28		24,773	289	1.1
29		24,529	487	1.9
30		15,950	324	2.0
		2,266,631	74,746	3.3

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(1994) (: , %)					
		1994		1993	
()	283,000,000	290,656,176	102.7	246,459,081	17.9
	74,000,000	75,208,295	101.6	65,316,804	15.1
		(11,535,000)			
	20,000,000	17,803,355	89.0	18,399,817	3.2
	3,000,000	2,790,465	93.0	3,589,381	22.6
	20,000,000	23,341,181	116.7	18,317,628	27.4
	400,000,000	409,799,472	102.4	352,082,711	16.4

(1994) (: 1000 , %)			
	1993(1~9)	1994(1~9)	
	335,025	394,967	17.9
	106,494	93,749	12.0
	13,066	36,578	180.0
	6,184	7,855	27.0
	75,794	104,976	38.5
	536,564	638,127	18.9

80 가 18% 90
, 93
94
94 가 가 가

94 reengineering
93 5 600 12.6% 가 5 7000 . 92
9.3% 93 9.2%,

94 5 KGMP가 GMP
가 93 33 , 124
, 94 4 9067 86.1%
93 12.9% 가 .
3131 7.7%

7263 2 8777 93 2 5293
13.7% , 4273 , 2 301 93 1 8139 12.0% 가

가 가 0.8%

91 58.7%, 92 58.9%, 93 58.3%, 94 58.6%

732 93

92.3% 가 가
1 267 93 6.8% 가 , 가 가
93 12.2% 가 1 8600 37.9%
1 1 1271 93 14.9%
5000 12 가 7881
93 9.9% 가 , 93 9.8% 6778

138 27.5% 38

()			(: 1000 , %)		
1993	1994				
91,975,565	99,201,143	7.8	5,267,118	P & G	()
120,404,768	154,964,187	28.7	33,569,445	L G	
34,562,636	41,313,129	19.5	5,367,625		
71,268,836	76,872,630	7.8	11,934,384		
507,401	201,674	60.3	193,,672	A	
1,987,135	3,079,588	54.9	656,729		
5,759,507	5,702,237	1.0	2,730,296		
326,465,848	381,334,588	16.8	-	-	-

(1994)		(: 1000		
		1993	1994	
	L G	21,117,585	33,569,445	
		18,865,105	11,934,384	
	L G	17,735,946	23,019,956	
		13,633,019	17,127,112	
		9,655,321	10,420,976	
	L G	8,555,265	9,611,230	
		8,560,929	9,545,968	
	L G	-	9,370,506	
		-	9,366,662	
		5,084,524	6,138,338	
	L G	4,364,446	5,648,093	
		4,375,426	5,367,625	
		4,784,756	5,293,000	
()	P & G	-	5,267,118	

94 가 가
가
250mg(117) 가 50mg(44), RFD 10mg(11
)
10 3732 93 3514
6.2% . 100 93 1 1937 , 92 1 1543 , 91 1 580
, 90 9410 , 89 815 , 88 7147
10 가
200mg 84.1%
188.2% ,
231.8% , RFD 10mg 182.9%
10
36.8%, 24.5%
1 1210 , 44.7%

1 , (93 2) (93 72)가 2 .
 3 , 5mg 300 , 93
 9 4 . 8 5 ,
 , .
 93 2 가 72 , 89 23 .
 94 100 4 19 , 1000
 1 (0), 1000 500 0 (2), 500 300 3 (2), 300 100
 39 (33) .

가가 가 .
 , 가가 가 .
 93 187.9% , 92 15 93 5
 94 284 4400 73.9% 1
 20% 91 18.4%, 92 11.8%, 93
 9.9% 가 94 118 3131 8000 93
 15.6% .

, 100 9 6
 3 , 10 46 93 41 5 가 . 92
 43 , 91 39 .
 93 , 94
 1 가 .
 10% 250 3000 2 ,
 10.6% 3 . 190 7800
 20.5%가 4 183 1000 , 154 7000
 5 94 118 93 10
 , 2241 4136 2781 8240 25.6%
 3131 8000 88.8% 93 10.7%가 가
 93
 93 가 51 1521 6890 ,
 54.7% 93 52.5% 2.5% .

9 481 9812 93 8.2%
 가 , 136 6461 (5) , 133 2522 (5) ,
 125 3599 (5) , 120 1530 (3) , 109 8194 (5) ,
 103 8845 (1) , 46 7097 (2) .
 가 ,
 ,
 98 1200 , 41.5%
 , .

94 가 93 101.5% ,

1

18 4

94 가 13 18 2100

93 514 92

11%

7-ACA 6-APA 가

7-ACA 6 94 8

가 Anti Bio Ticos 가

94 740 340 가 80 320

(Kg 6) 가 가 (Kg 4)

3000 가

3

94 8800Kg 93 59.1% 가 95 19.3%

94 가

가 100

92 92 93 87 , 94

94 120 92 가 Kg 200 80

91 6600Kg 93

93 3200Kg 92

4500Kg 3 1 200 가

가
95
가
30
94
가
Lilly
Lilly가 2002
가
4
40
가
가
93
가
92 5535Kg, 93 9290Kg, 94 1 6722 Kg
95 5 Kg 55 47 5
35%, 20%
4000 , 150
22 94 1600
850 750
94 10
92 31 , 93 51 , 94 58
92 52 94 33
94
가
95 5 가 Kg 290 94 24%
가 400
150 5
가 가 가
87%
IP , 92 6.4%
가 가
가

94 4 4 980 980 가

가 12 93 3 5208

16.4% 가 가 2 9065 17.9%,

7521 15.1% 가

94 7-ACA,

94 9 93 18.9% 가

180% 27.0%, 38.5%

94 747 4000 3.3% 가

6

DA-125, YH-439, Q-35,

SK-2053R, G-009, 25

94 21 , 92 18

39 28 6400

94 180 B 80 95

29

가

가

가

G7

가

가

가

가

(,)
3264 6600 16.8% 가

94

3813 3500

93

가

가

가 40 1549 6000 1
가 90 992 100 가 60 768 7000 가 132 413 1000
10 34
가 20 19 11 2
LG 891 1300 가 410 8700
399 2200
LG 335 6000
100

20
가 1000 6 40 1549 6000
93 28.7%
LG 93 58.9% 335 6900
가 2 LG 230 2000
LG 가
3, 4 171 3000 104 2000
LG , LG
LG 891 1300 44%
57.5%
LG 가

94 7.8% 768 7200 93
94

가

3 가

가

93 2 , ()가 182 7100 26.0%
 153 2400 2 , 125 600
 3 95 9000 , ,

3 , , , 4 ,
 2 , 200 150
 , 가

94 992 1000 93
 7.8% ,
 가 399 2200 9.2% ,
 P & G ()가 48% 312 3400
 가 179 1000 , 85 9500
 P & G 52 6700
 가 49 8700 1 2
 , , , 4 ,

94 413 1300 93 345 6300 19.5%
 , 93 가 .
 93 , 202
 , 58.5%
 70 2 ,
 36 3 , 13 5000
 가