

Supplementary Materials for  
Consolidated Financial Results for  
the 2nd Quarter of Fiscal Year 2022. 12 (IFRS)

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**CHUGAI PHARMACEUTICAL CO., LTD.**

**Roche** A member of the Roche group

- Notes: 1. Portions of this report that refer to performance forecasts or any other future events are believed to be reasonable under information available at the time of the forecasts. Actual results may materially differ from these forecasts due to potential risks and uncertainties.
2. Amounts shown in this report are rounded to the nearest 0.1 billion yen. Variance and % are calculated based on the amounts shown.
3. Exchange rates used for each period are as follows.

### QTR

(Yen)

		Actual*				Actual*			
		FY2021				FY2022			
		1-3	4-6	7-9	10-12	1-3	4-6	7-9	10-12
		QTR	QTR	QTR	QTR	QTR	QTR	QTR	QTR
CHF		117.08	120.11	119.88	123.26	125.78	134.34		
EUR		127.65	131.87	129.78	130.02	130.43	138.07		
USD		105.83	109.44	110.08	113.66	116.17	129.58		
SGD		79.47	82.12	81.39	83.75	85.92	94.09		

\*Market average exchange rate

### YTD

	Actual*	Actual*				Actual*				Assumption
	FY2020	FY2021				FY2022				FY2022
	1-12	1-3	1-6	1-9	1-12	1-3	1-6	1-9	1-12	1-12
	Full-year	YTD	YTD	YTD	Full-year	YTD	YTD	YTD	Full-year	Full-year
CHF	113.72	117.08	118.60	119.03	120.10	125.78	130.15			122.00
EUR	121.69	127.65	129.76	129.77	129.83	130.43	134.35			130.00
USD	106.80	105.83	107.63	108.45	109.75	116.17	122.87			112.00
SGD	77.41	79.47	80.80	81.00	81.69	85.92	90.04			84.00

\*Market average exchange rate

### Period-end

	Actual	Actual				Actual			
	FY2020	FY2021				FY2022			
	31 Dec.	31 Mar.	30 Jun.	30 Sep.	31 Dec.	31 Mar.	30 Jun.	30 Sep.	31 Dec.
CHF	117.10	117.14	120.02	119.76	125.95	131.93	142.99		
EUR	126.89	129.30	131.48	129.85	130.31	135.92	142.62		
USD	103.19	110.37	110.52	111.97	115.07	121.82	136.60		
SGD	77.98	81.87	82.15	82.27	85.09	90.07	98.01		

## Reconciliation of IFRS results to Core results

(Billions of yen)

	FY2021				FY2022			
	1-6				1-6			
	IFRS results	Intangible assets	Others	Core results	IFRS results	Intangible assets	Others	Core results
Revenues	390.2	-	-	390.2	596.2	-	(91.9)	504.3
Sales	304.2	-	-	304.1	452.8	-	-	452.8
Royalties and other operating income	86.1	-	-	86.1	51.4	-	-	51.4
Other revenue	-	-	-	-	91.9	-	(91.9)	-
Cost of sales	(123.4)	1.5	-	(121.9)	(194.2)	0.6	-	(193.7)
Gross profit	266.8	1.5	-	268.4	401.9	0.6	(91.9)	310.6
Operating expenses	(106.2)	1.6	2.0	(102.5)	(115.0)	0.2	5.6	(109.2)
Marketing and distribution	(33.8)	-	(0.2)	(34.0)	(35.3)	-	0.2	(35.1)
Research and development	(63.3)	1.6	1.9	(59.9)	(67.7)	0.2	1.8	(65.8)
General and administration	(9.1)	-	0.4	(8.7)	(12.0)	-	3.7	(8.3)
Operating profit	160.7	3.1	2.0	165.8	286.9	0.7	(86.3)	201.4
Financing costs	(0.0)	-	-	(0.0)	(0.0)	-	-	(0.0)
Other financial income (expense)	0.6	-	-	0.6	2.4	-	-	2.4
Other expense	(0.0)	-	-	(0.0)	(2.4)	-	-	(2.4)
Profit before taxes	161.3	3.1	2.0	166.4	286.9	0.7	(86.3)	201.4
Income taxes	(43.1)	(0.9)	(0.6)	(44.7)	(82.8)	(0.2)	26.3	(56.7)
Net income	118.1	2.2	1.4	121.7	204.2	0.5	(59.9)	144.7
Attributable to								
Chugai shareholders	118.1	2.2	1.4	121.7	204.2	0.5	(59.9)	144.7
Non-controlling interests	-	-	-	-	-	-	-	-

## Core results

Chugai discloses its results on a Core basis from 2013 in conjunction with its transition to IFRS. Core results are the results after adjusting non-recurring items recognized by Chugai to IFRS results. Chugai's recognition of non-recurring items may differ from that of Roche due to the difference in the scale of operations, the scope of business and other factors. Core results are used by Chugai as an internal performance indicator, for explaining the status of recurring profits both internally and externally, and as the basis for payment-by-results.

The table above shows the reconciliation of IFRS results into Core results. The detail is as below.

## Intangible assets

Amortization (1.5 billion yen in 2021 and 0.6 billion yen in 2022)

Impairment (1.6 billion yen in 2021 and 0.2 billion in 2022)

## Others

Lump sum income related to settlement agreement etc. (None in 2021 and -90.7 billion yen in 2022)

Restructuring expenses etc. (2.0 billion yen in 2021 and 4.5 billion yen in 2022)

## IFRS results (QTR)

(Billions of yen)

	Actual FY2021				Actual FY2022							
	1-3	4-6	7-9	10-12	1-3	Change	4-6	Change	7-9	Change	10-12	Change
	QTR	QTR	QTR	QTR	QTR	(%)	QTR	(%)	QTR	(%)	QTR	(%)
Revenues	168.8	221.4	287.3	322.3	360.6	+113.6	235.6	+6.4				
Sales	130.3	173.9	234.5	264.1	242.7	+86.3	210.1	+20.8				
Domestic	94.9	108.5	159.2	156.3	161.7	+70.4	112.1	+3.3				
Overseas	35.4	65.3	75.3	107.8	81.0	+128.8	98.0	+50.1				
Royalties and other operating income	38.6	47.5	52.7	58.1	25.9	(32.9)	25.5	(46.3)				
Royalty and profit-sharing income	36.6	46.7	52.1	51.8	25.2	(31.1)	25.2	(46.0)				
Other operating income	2.0	0.8	0.6	6.4	0.7	(65.0)	0.3	(62.5)				
Other revenue	-	-	-	-	91.9	-	-	-				
Cost of sales	(55.3)	(68.1)	(104.2)	(110.6)	(114.4)	+106.9	(79.8)	+17.2				
(% of Sales)	42.4	39.2	44.4	41.9	47.1	-	38.0	-				
Gross profit	113.5	153.4	183.1	211.7	246.1	+116.8	155.8	+1.6				
(% of Revenues)	67.2	69.3	63.7	65.7	68.2	-	66.1	-				
Operating expenses	(49.5)	(56.6)	(60.9)	(72.6)	(59.1)	+19.4	(55.8)	(1.4)				
(% of Revenues)	29.3	25.6	21.2	22.5	16.4	-	23.7	-				
Marketing and distribution	(15.9)	(17.9)	(18.5)	(24.3)	(16.8)	+5.7	(18.5)	+3.4				
(% of Revenues)	9.4	8.1	6.4	7.5	4.7	-	7.9	-				
Research and development	(29.7)	(33.6)	(36.2)	(37.8)	(33.9)	+14.1	(33.8)	+0.6				
(% of Revenues)	17.6	15.2	12.6	11.7	9.4	-	14.3	-				
General and administration	(3.9)	(5.2)	(6.3)	(10.5)	(8.5)	+117.9	(3.5)	(32.7)				
(% of Revenues)	2.3	2.3	2.2	3.3	2.4	-	1.5	-				
Operating profit	64.0	96.7	122.2	139.1	187.0	+192.2	99.9	+3.3				
(% of Revenues)	37.9	43.7	42.5	43.2	51.9	-	42.4	-				
Financing costs	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	0.0	(0.0)	0.0				
Other financial income (expense)	0.3	0.3	0.3	(0.9)	1.6	+433.3	0.8	+166.7				
Other expense	-	(0.0)	(2.8)	0.3	(2.4)	-	-	-				
Profit before taxes	64.2	97.0	119.7	138.4	186.2	+190.0	100.7	+3.8				
(% of Revenues)	38.0	43.8	41.7	42.9	51.6	-	42.7	-				
Income taxes	(16.8)	(26.3)	(33.7)	(39.6)	(54.4)	+223.8	(28.3)	+7.6				
Net income	47.4	70.7	86.0	98.8	131.8	+178.1	72.4	+2.4				
(% of Revenues)	28.1	31.9	29.9	30.7	36.6	-	30.7	-				
Attributable to												
Chugai shareholders	47.4	70.7	86.0	98.8	131.8	+178.1	72.4	+2.4				
Non-controlling interests	-	-	-	-	-	-	-	-				
Earnings per share												
Basic (yen)	28.84	43.02	52.31	60.11	80.14	+177.9	44.00	+2.3				
Diluted (yen)	28.82	42.99	52.28	60.08	80.09	+177.9	43.99	+2.3				

Other financial income (expense) includes net amount of FX related gains/losses.

## IFRS results (YTD)

(Billions of yen)

	Actual	Actual				Actual							
	FY2020	FY2021				FY2022							
	1-12	1-3	1-6	1-9	1-12	1-3	Change	1-6	Change	1-9	Change	1-12	Change
	YTD	YTD	YTD	YTD	YTD	YTD	(%)	YTD	(%)	YTD	(%)	YTD	(%)
Revenues	786.9	168.8	390.2	677.5	999.8	360.6	+113.6	596.2	+52.8				
Sales	633.3	130.3	304.1	538.7	802.8	242.7	+86.3	452.8	+48.9				
Domestic	409.1	94.9	203.4	362.6	518.9	161.7	+70.4	273.8	+34.6				
Overseas	224.2	35.4	100.7	176.0	283.9	81.0	+128.8	179.0	+77.8				
Royalties and other operating income	153.6	38.6	86.1	138.8	196.9	25.9	(32.9)	51.4	(40.3)				
Royalty and profit-sharing income	129.6	36.6	83.3	135.4	187.2	25.2	(31.1)	50.4	(39.5)				
Other operating income	24.1	2.0	2.8	3.4	9.8	0.7	(65.0)	1.0	(64.3)				
Other revenue	–	–	–	–	–	91.9	–	91.9	–				
Cost of sales	(273.5)	(55.3)	(123.4)	(227.6)	(338.1)	(114.4)	+106.9	(194.2)	+57.4				
(% of Sales)	43.2	42.4	40.6	42.2	42.1	47.1	–	42.9	–				
Gross profit	513.5	113.5	266.8	449.9	661.6	246.1	+116.8	401.9	+50.6				
(% of Revenues)	65.3	67.2	68.4	66.4	66.2	68.2	–	67.4	–				
Operating expenses	(212.3)	(49.5)	(106.2)	(167.1)	(239.7)	(59.1)	+19.4	(115.0)	+8.3				
(% of Revenues)	27.0	29.3	27.2	24.7	24.0	16.4	–	19.3	–				
Marketing and distribution	(72.6)	(15.9)	(33.8)	(52.2)	(76.6)	(16.8)	+5.7	(35.3)	+4.4				
(% of Revenues)	9.2	9.4	8.7	7.7	7.7	4.7	–	5.9	–				
Research and development	(117.9)	(29.7)	(63.3)	(99.5)	(137.3)	(33.9)	+14.1	(67.7)	+7.0				
(% of Revenues)	15.0	17.6	16.2	14.7	13.7	9.4	–	11.4	–				
General and administration	(21.8)	(3.9)	(9.1)	(15.3)	(25.8)	(8.5)	+117.9	(12.0)	+31.9				
(% of Revenues)	2.8	2.3	2.3	2.3	2.6	2.4	–	2.0	–				
Operating profit	301.2	64.0	160.7	282.8	421.9	187.0	+192.2	286.9	+78.5				
(% of Revenues)	38.3	37.9	41.2	41.7	42.2	51.9	–	48.1	–				
Financing costs	(0.1)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	0.0	(0.0)	0.0				
Other financial income (expense)	(1.5)	0.3	0.6	0.9	0.1	1.6	+433.3	2.4	+300.0				
Other expense	(1.5)	–	(0.0)	(2.8)	(2.5)	(2.4)	–	(2.4)	–				
Profit before taxes	298.2	64.2	161.3	280.9	419.4	186.2	+190.0	286.9	+77.9				
(% of Revenues)	37.9	38.0	41.3	41.5	41.9	51.6	–	48.1	–				
Income taxes	(83.5)	(16.8)	(43.1)	(76.8)	(116.4)	(54.4)	+223.8	(82.8)	+92.1				
Net income	214.7	47.4	118.1	204.2	303.0	131.8	+178.1	204.2	+72.9				
(% of Revenues)	27.3	28.1	30.3	30.1	30.3	36.6	–	34.3	–				
Attributable to													
Chugai shareholders	214.7	47.4	118.1	204.2	303.0	131.8	+178.1	204.2	+72.9				
Non-controlling interests	–	–	–	–	–	–	–	–	–				
Earnings per share													
Basic (yen)	130.66	28.84	71.86	124.17	184.29	80.14	+177.9	124.14	+72.8				
Diluted (yen)	130.53	28.82	71.81	124.09	184.17	80.09	+177.9	124.08	+72.8				

Other financial income (expense) includes net amount of FX related gains/losses.

Effective July 1, 2020, Chugai Pharmaceutical Co., Ltd. (“Chugai”) implemented a three-for-one stock split of its common stock. “Earnings per share (Basic)” and “Earnings per share (Diluted)” presents the amount after the stock split.

## Core results (QTR)

(Billions of yen)

	Actual				Actual							
	FY2021				FY2022							
	1-3	4-6	7-9	10-12	1-3	Change (%)	4-6	Change (%)	7-9	Change (%)	10-12	Change (%)
QTR	QTR	QTR	QTR	QTR		QTR		QTR		QTR		
Revenues	168.8	221.4	287.3	322.3	268.6	+59.1	235.6	+6.4				
Sales	130.3	173.9	234.5	264.1	242.7	+86.3	210.1	+20.8				
Domestic	94.9	108.5	159.2	156.3	161.7	+70.4	112.1	+3.3				
Overseas	35.4	65.3	75.3	107.8	81.0	+128.8	98.0	+50.1				
Royalties and other operating income	38.6	47.5	52.7	58.1	25.9	(32.9)	25.5	(46.3)				
Royalty and profit-sharing income	36.6	46.7	52.1	51.8	25.2	(31.1)	25.2	(46.0)				
Other operating income	2.0	0.8	0.6	6.4	0.7	(65.0)	0.3	(62.5)				
Cost of sales	(55.0)	(66.8)	(103.8)	(109.8)	(114.1)	+107.5	(79.5)	+19.0				
(% of Sales)	42.2	38.4	44.3	41.6	47.0	-	37.8	-				
Gross profit	113.8	154.6	183.4	212.5	154.5	+35.8	156.1	+1.0				
(% of Revenues)	67.4	69.8	63.8	65.9	57.5	-	66.3	-				
Operating expenses	(48.5)	(54.1)	(58.5)	(69.1)	(55.6)	+14.6	(53.6)	(0.9)				
(% of Revenues)	28.7	24.4	20.4	21.4	20.7	-	22.8	-				
Marketing and distribution	(15.8)	(18.1)	(18.2)	(23.6)	(16.7)	+5.7	(18.4)	+1.7				
(% of Revenues)	9.4	8.2	6.3	7.3	6.2	-	7.8	-				
Research and development	(28.7)	(31.1)	(34.3)	(35.7)	(32.9)	+14.6	(32.9)	+5.8				
(% of Revenues)	17.0	14.0	11.9	11.1	12.2	-	14.0	-				
General and administration	(3.9)	(4.9)	(6.0)	(9.9)	(6.0)	+53.8	(2.3)	(53.1)				
(% of Revenues)	2.3	2.2	2.1	3.1	2.2	-	1.0	-				
Operating profit	65.4	100.5	124.9	143.4	98.9	+51.2	102.5	+2.0				
(% of Revenues)	38.7	45.4	43.5	44.5	36.8	-	43.5	-				
Financing costs	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	0.0	(0.0)	0.0				
Other financial income (expense)	0.3	0.3	0.3	(0.9)	1.6	+433.3	0.8	+166.7				
Other expense	-	(0.0)	(2.8)	0.3	(2.4)	-	-	-				
Profit before taxes	65.6	100.8	122.5	142.7	98.1	+49.5	103.3	+2.5				
(% of Revenues)	38.9	45.5	42.6	44.3	36.5	-	43.8	-				
Income taxes	(17.2)	(27.4)	(34.5)	(40.9)	(27.5)	+59.9	(29.1)	+6.2				
Net income	48.4	73.3	87.9	101.8	70.6	+45.9	74.1	+1.1				
(% of Revenues)	28.7	33.1	30.6	31.6	26.3	-	31.5	-				
Attributable to												
Chugai shareholders	48.4	73.3	87.9	101.8	70.6	+45.9	74.1	+1.1				
Non-controlling interests	-	-	-	-	-	-	-	-				
Core earnings per share (diluted) (yen)	29.42	44.58	53.45	61.90	42.91	+45.9	45.07	+1.1				

Please see page 1 "Reconciliation of IFRS results to Core results" for the detail of the adjustments.

Core earnings per share (diluted) (yen) : Net income attributable to Chugai shareholders / Weighted average number of shares in issue used to calculate diluted earnings per share.

Other financial income (expense) includes net amount of FX related gains/losses.

## Core results (YTD)

(Billions of yen)

	Actual	Actual				Actual								Forecast (Feb 3th announced)	
	FY2020	FY2021				FY2022								FY2022	
	1-12 YTD	1-3 YTD	1-6 YTD	1-9 YTD	1-12 YTD	1-3 YTD	Change (%)	1-6 YTD	Change (%)	1-9 YTD	Change (%)	1-12 YTD	Change (%)	1-12 YTD	Change (%)
Revenues	786.9	168.8	390.2	677.5	999.8	268.6	+59.1	504.3	+29.2					1,150.0	+15.0
Sales	633.3	130.3	304.1	538.7	802.8	242.7	+86.3	452.8	+48.9					1,031.5	+28.5
Domestic	409.1	94.9	203.4	362.6	518.9	161.7	+70.4	273.8	+34.6					646.3	+24.6
Overseas	224.2	35.4	100.7	176.0	283.9	81.0	+128.8	179.0	+77.8					385.2	+35.7
Royalties and other operating income	153.6	38.6	86.1	138.8	196.9	25.9	(32.9)	51.4	(40.3)					118.5	(39.8)
Royalty and profit-sharing income	129.6	36.6	83.3	135.4	187.2	25.2	(31.1)	50.4	(39.5)					114.0	(39.1)
Other operating income	24.1	2.0	2.8	3.4	9.8	0.7	(65.0)	1.0	(64.3)					4.5	(54.1)
Cost of sales	(272.3)	(55.0)	(121.9)	(225.7)	(335.5)	(114.1)	+107.5	(193.7)	+58.9					(460.0)	+37.1
(% of Sales)	43.0	42.2	40.1	41.9	41.8	47.0	-	42.8	-					44.6	-
Gross profit	514.7	113.8	268.4	451.8	664.3	154.5	+35.8	310.6	+15.7					690.0	+3.9
(% of Revenues)	65.4	67.4	68.8	66.7	66.4	57.5	-	61.6	-					60.0	-
Operating expenses	(206.7)	(48.5)	(102.5)	(161.1)	(230.2)	(55.6)	+14.6	(109.2)	+6.5					(250.0)	+8.6
(% of Revenues)	26.3	28.7	26.3	23.8	23.0	20.7	-	21.7	-					21.7	-
Marketing and distribution	(71.5)	(15.8)	(34.0)	(52.2)	(75.8)	(16.7)	+5.7	(35.1)	+3.2						
(% of Revenues)	9.1	9.4	8.7	7.7	7.6	6.2	-	7.0	-						
Research and development	(113.5)	(28.7)	(59.9)	(94.1)	(129.8)	(32.9)	+14.6	(65.8)	+9.8					(149.5)	+15.2
(% of Revenues)	14.4	17.0	15.4	13.9	13.0	12.2	-	13.0	-					13.0	-
General and administration	(21.7)	(3.9)	(8.7)	(14.7)	(24.6)	(6.0)	+53.8	(8.3)	(4.6)						
(% of Revenues)	2.8	2.3	2.2	2.2	2.5	2.2	-	1.6	-						
Operating profit	307.9	65.4	165.8	290.7	434.1	98.9	+51.2	201.4	+21.5					440.0	+1.4
(% of Revenues)	39.1	38.7	42.5	42.9	43.4	36.8	-	39.9	-					38.3	-
Financing costs	(0.1)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	0.0	(0.0)	0.0						
Other financial income (expense)	(1.5)	0.3	0.6	0.9	0.1	1.6	+433.3	2.4	+300.0						
Other expense	(1.5)	-	(0.0)	(2.8)	(2.5)	(2.4)	-	(2.4)	-						
Profit before taxes	304.9	65.6	166.4	288.9	431.6	98.1	+49.5	201.4	+21.0						
(% of Revenues)	38.7	38.9	42.6	42.6	43.2	36.5	-	39.9	-						
Income taxes	(85.5)	(17.2)	(44.7)	(79.2)	(120.1)	(27.5)	+59.9	(56.7)	+26.8						
Net income	219.4	48.4	121.7	209.7	311.5	70.6	+45.9	144.7	+18.9					312.5	+0.3
(% of Revenues)	27.9	28.7	31.2	31.0	31.2	26.3	-	28.7	-					27.2	-
Attributable to															
Chugai shareholders	219.4	48.4	121.7	209.7	311.5	70.6	+45.9	144.7	+18.9						
Non-controlling interests	-	-	-	-	-	-	-	-	-						
Weighted average number of shares in issue used to calculate diluted earnings per share (Millions of shares)	1,645	1,645	1,645	1,645	1,645	1,645	0.0	1,645	0.0						
Core earnings per share (diluted) (yen)	133.39	29.42	73.99	127.45	189.35	42.91	+45.9	87.97	+18.9					190.00	+0.3
Core payout ratio (%)	41.2				40.1									40.0	-
Dividend per share (Full year) (yen)	-				76									76	-
Dividend per share (Year end) (yen)	30				46									38	-
Dividend per share (Half year) (yen)	75				30							38		38	-

Please see page 1 "Reconciliation of IFRS results to Core results" for the detail of the adjustments.

Core earnings per share (diluted) (yen) : Net income attributable to Chugai shareholders / Weighted average number of shares in issue used to calculate diluted earnings per share.

Other financial income (expense) includes net amount of FX related gains/losses.

Effective July 1, 2020, Chugai Pharmaceutical Co., Ltd. ("Chugai") implemented a three-for-one stock split of its common stock. Core EPS presents the amount after the stock split.

Weighted average number of shares in issue used to calculate diluted earnings per share presents the amount after the stock split.

The dividend for the second quarter of the fiscal year 2020 presents the amount prior to the stock split.

The annual dividend per share for the fiscal year ended December 31, 2020 is not stated because the amounts cannot be simply combined due to the implementation of the stock split.

The annual dividend per share is ¥165 when calculated based on the assumption of no stock split, and ¥55 when calculated with the stock split taken into account.

## Core statements of revenues (QTR)

	Actual				Actual							
	FY2021				FY2022							
	1-3	4-6	7-9	10-12	1-3	Change (%)	4-6	Change (%)	7-9	Change (%)	10-12	Change (%)
	QTR	QTR	QTR	QTR	QTR		QTR		QTR		QTR	
Sales	130.3	173.9	234.5	264.1	242.7	+86.3	210.1	+20.8				
Domestic	94.9	108.5	159.2	156.3	161.7	+70.4	112.1	+3.3				
Oncology	57.9	66.2	67.0	70.4	58.4	+0.9	64.5	(2.6)				
Avastin	18.8	20.4	20.6	21.1	16.5	(12.2)	17.7	(13.2)				
Tecentriq	14.1	16.4	15.5	16.1	13.4	(5.0)	15.0	(8.5)				
Perjeta	7.4	8.2	8.1	8.5	7.4	0.0	8.2	0.0				
Alecensa	6.0	7.1	7.0	7.5	6.3	+5.0	7.4	+4.2				
Polivy	-	0.9	2.6	3.3	2.7	-	2.9	+222.2				
Kadcyla	3.2	4.0	4.1	4.4	4.1	+28.1	4.8	+20.0				
Herceptin	2.6	2.6	2.3	2.3	1.8	(30.8)	1.9	(26.9)				
Gazyva	1.0	1.1	1.1	1.2	1.0	0.0	1.1	0.0				
Rituxan	1.2	1.2	1.2	1.5	1.0	(16.7)	1.2	0.0				
Foundation Medicine	1.0	1.2	1.3	1.6	1.6	+60.0	1.7	+41.7				
Other products	2.6	3.1	3.1	2.9	2.6	0.0	2.6	(16.1)				
Specialty	36.9	42.3	92.3	85.9	103.2	+179.7	47.6	+12.5				
Ronapreve	-	-	42.8	34.6	60.8	-	-	-				
Hemlibra	8.8	9.9	10.6	12.3	10.0	+13.6	12.1	+22.2				
Actemra	9.2	11.0	11.6	11.4	9.9	+7.6	10.7	(2.7)				
Enspryng	1.4	2.2	2.6	3.5	3.3	+135.7	3.9	+77.3				
Edirol	2.9	4.7	9.9	4.9	3.3	+13.8	2.7	(42.6)				
Mircera	3.4	3.6	3.7	3.7	2.6	(23.5)	2.8	(22.2)				
Evrysdi	-	-	0.4	1.9	2.1	-	2.8	-				
CellCept	2.0	2.2	2.0	2.2	1.8	(10.0)	2.0	(9.1)				
Bonviva	2.0	2.1	2.0	2.1	1.7	(15.0)	1.8	(14.3)				
Oxarol	1.4	1.5	1.6	1.6	1.4	0.0	1.4	(6.7)				
Vabysmo	-	-	-	-	-	-	0.9	-				
Other products	5.8	5.1	5.0	7.6	6.3	+8.6	6.5	+27.5				
Overseas	35.4	65.3	75.3	107.8	81.0	+128.8	98.0	+50.1				
Hemlibra	8.5	24.7	28.5	52.5	44.7	+425.9	46.3	+87.4				
To Roche	8.0	24.2	27.8	52.0	44.2	+452.5	45.6	+88.4				
Actemra	17.4	20.5	25.6	39.3	25.7	+47.7	37.7	+83.9				
To Roche	16.9	19.7	24.9	38.7	24.6	+45.6	36.8	+86.8				
Alecensa	6.0	15.0	17.2	11.8	5.2	(13.3)	9.4	(37.3)				
To Roche	5.6	14.5	16.7	11.3	4.6	(17.9)	8.8	(39.3)				
Enspryng	-	0.9	0.3	0.3	1.2	-	0.5	(44.4)				
To Roche	-	0.9	0.3	0.3	1.2	-	0.5	(44.4)				
Neutrogin	2.2	2.5	2.1	2.3	2.4	+9.1	2.2	(12.0)				
Other products	1.2	1.7	1.6	1.7	1.9	+58.3	1.8	+5.9				
Royalties and other operating income	38.6	47.5	52.7	58.1	25.9	(32.9)	25.5	(46.3)				
Royalty and profit-sharing income	36.6	46.7	52.1	51.8	25.2	(31.1)	25.2	(46.0)				
Other operating income	2.0	0.8	0.6	6.4	0.7	(65.0)	0.3	(62.5)				
Revenues	168.8	221.4	287.3	322.3	268.6	+59.1	235.6	+6.4				
Domestic	95.3	109.0	159.8	158.3	162.7	+70.7	112.2	+2.9				
Overseas	73.6	112.3	127.5	164.0	105.9	+43.9	123.4	+9.8				

"Primary" used in the names of disease area is replaced with "Specialty" from July 2022.



## Core statements of revenues (YTD)

(Billions of yen)

	Actual	Actual				Actual								Forecast (Feb 3th announced)	
	FY2020	FY2021				FY2022								FY2022	
	1-12	1-3	1-6	1-9	1-12	1-3	Change (%)	1-6	Change (%)	1-9	Change (%)	1-12	Change (%)	1-12	Change (%)
	YTD	YTD	YTD	YTD	YTD	YTD		YTD		YTD		YTD		YTD	
Sales	633.3	130.3	304.1	538.7	802.8	242.7	+86.3	452.8	+48.9					1,031.5	+28.5
Domestic	409.1	94.9	203.4	362.6	518.9	161.7	+70.4	273.8	+34.6					646.3	+24.6
Oncology	232.3	57.9	124.1	191.1	261.5	58.4	+0.9	123.0	(0.9)					260.5	(0.4)
Avastin	81.5	18.8	39.2	59.8	80.9	16.5	(12.2)	34.2	(12.8)					69.4	(14.2)
Tecentriq	37.5	14.1	30.5	46.1	62.2	13.4	(5.0)	28.4	(6.9)					62.0	(0.3)
Perjeta	33.5	7.4	15.7	23.8	32.2	7.4	0.0	15.6	(0.6)					33.7	+4.7
Alecensa	26.0	6.0	13.1	20.1	27.7	6.3	+5.0	13.7	+4.6					28.7	+3.6
Polivy	-	-	0.9	3.5	6.8	2.7	-	5.6	+522.2					16.2	+138.2
Kadcyla	10.2	3.2	7.2	11.2	15.7	4.1	+28.1	8.8	+22.2					16.0	+1.9
Herceptin	15.9	2.6	5.2	7.5	9.8	1.8	(30.8)	3.7	(28.8)					8.3	(15.3)
Gazyva	4.6	1.0	2.1	3.2	4.5	1.0	0.0	2.1	0.0					5.4	+20.0
Rituxan	7.2	1.2	2.4	3.6	5.1	1.0	(16.7)	2.2	(8.3)					4.1	(19.6)
Foundation Medicine	2.8	1.0	2.2	3.5	5.1	1.6	+60.0	3.4	+54.5					9.1	+78.4
Other products	13.0	2.6	5.7	8.8	11.6	2.6	0.0	5.2	(8.8)					7.5	(35.3)
Specialty	176.8	36.9	79.3	171.6	257.4	103.2	+179.7	150.9	+90.3					385.8	+49.9
Ronapreve	-	-	-	42.8	77.4	60.8	-	60.8	-					199.0	+157.1
Hemlibra	34.1	8.8	18.7	29.3	41.6	10.0	+13.6	22.2	+18.7					51.8	+24.5
Actemra	39.3	9.2	20.3	31.9	43.2	9.9	+7.6	20.6	+1.5					41.9	(3.0)
Enspryng	1.3	1.4	3.5	6.2	9.7	3.3	+135.7	7.1	+102.9					16.7	+72.2
Edirol	27.8	2.9	7.6	17.5	22.3	3.3	+13.8	6.0	(21.1)					10.8	(51.6)
Mircera	17.5	3.4	7.1	10.7	14.4	2.6	(23.5)	5.4	(23.9)					10.2	(29.2)
Evrysdi	-	-	-	0.4	2.3	2.1	-	4.9	-					8.8	+282.6
CellCept	9.1	2.0	4.1	6.2	8.4	1.8	(10.0)	3.8	(7.3)					7.4	(11.9)
Bonviva	8.9	2.0	4.1	6.1	8.2	1.7	(15.0)	3.6	(12.2)					7.0	(14.6)
Oxarol	6.4	1.4	3.0	4.6	6.2	1.4	0.0	2.8	(6.7)					5.1	(17.7)
Vabysmo	-	-	-	-	-	-	-	0.9	-					4.6	-
Other products	32.4	5.8	11.0	16.0	23.6	6.3	+8.6	12.8	+16.4					22.5	(4.7)
Overseas	224.2	35.4	100.7	176.0	283.9	81.0	+128.8	179.0	+77.8					385.2	+35.7
Hemlibra	26.1	8.5	33.2	61.7	114.2	44.7	+425.9	91.0	+174.1					186.0	+62.9
To Roche	24.6	8.0	32.2	60.0	112.0	44.2	+452.5	89.7	+178.6					182.7	+63.1
Actemra	134.4	17.4	37.9	63.5	102.8	25.7	+47.7	63.4	+67.3					144.4	+40.5
To Roche	132.0	16.9	36.5	61.5	100.1	24.6	+45.6	61.4	+68.2					141.5	+41.4
Alecensa	44.3	6.0	21.1	38.3	50.1	5.2	(13.3)	14.6	(30.8)					34.1	(31.9)
To Roche	43.0	5.6	20.1	36.9	48.2	4.6	(17.9)	13.4	(33.3)					32.0	(33.6)
Enspryng	5.6	-	0.9	1.2	1.5	1.2	-	1.7	+88.9					4.6	+206.7
To Roche	5.6	-	0.9	1.2	1.5	1.2	-	1.7	+88.9					4.5	+200.0
Neutrogin	9.0	2.2	4.8	6.8	9.1	2.4	+9.1	4.6	(4.2)					8.8	(3.3)
Other products	4.8	1.2	3.0	4.6	6.2	1.9	+58.3	3.7	+23.3					7.4	+19.4
Royalties and other operating income	153.6	38.6	86.1	138.8	196.9	25.9	(32.9)	51.4	(40.3)					118.5	(39.8)
Royalty and profit-sharing income	129.6	36.6	83.3	135.4	187.2	25.2	(31.1)	50.4	(39.5)					114.0	(39.1)
Other operating income	24.1	2.0	2.8	3.4	9.8	0.7	(65.0)	1.0	(64.3)					4.5	(54.1)
Revenues	786.9	168.8	390.2	677.5	999.8	268.6	+59.1	504.3	+29.2					1,150.0	+15.0
Domestic	419.0	95.3	204.3	364.1	522.3	162.7	+70.7	274.9	+34.6					649.0	+24.3
Overseas	368.0	73.6	185.9	313.4	477.4	105.9	+43.9	229.3	+23.3					501.0	+4.9

"Primary" used in the names of disease area is replaced with "Specialty" from July 2022.

## Financial position

(Billions of yen)

	Actual	Actual				Actual										
	FY2020	FY2021				FY2022										
	Dec. 31	Mar. 31	Jun. 30	Sep. 30	Dec. 31	Mar. 31	vs. Mar. 31, 2021	vs. Dec. 31, 2021	Jun. 30	vs. Jun. 30, 2021	vs. Dec. 31, 2021	Sep. 30	vs. Sep. 30, 2021	vs. Dec. 31, 2021	Dec. 31	vs. Dec. 31, 2021
Trade accounts receivable	195.6	138.4	180.5	223.2	281.3	256.9	118.5	(24.4)	225.1	44.6	(56.2)					
Inventories	183.9	184.7	199.2	201.4	208.8	225.5	40.8	16.7	218.5	19.3	9.7					
Trade accounts payable	(58.3)	(42.1)	(68.7)	(100.7)	(97.2)	(111.2)	(69.1)	(14.0)	(60.3)	8.4	36.9					
Other net working capital	(21.2)	0.3	4.0	0.6	(22.9)	52.9	52.6	75.8	(13.3)	(17.3)	9.6					
Net working capital	300.0	281.3	315.0	324.5	370.1	424.1	142.8	54.0	369.9	54.9	(0.2)					
Property, plant and equipment	289.2	291.4	310.6	327.6	338.8	348.4	57.0	9.6	354.8	44.2	16.0					
Right-of-use assets	8.3	7.4	6.3	5.6	13.3	12.8	5.4	(0.5)	12.1	5.8	(1.2)					
Intangible assets	23.9	26.0	25.3	24.8	22.0	24.9	(1.1)	2.9	25.5	0.2	3.5					
Other long-term assets – net	24.6	25.5	24.7	25.7	28.4	24.8	(0.7)	(3.6)	26.3	1.6	(2.1)					
Long-term net operating assets	346.0	350.3	366.8	383.7	402.4	410.9	60.6	8.5	418.7	51.9	16.3					
Net operating assets	646.0	631.6	681.8	708.2	772.6	834.9	203.3	62.3	788.6	106.8	16.0					
Debt	–	–	–	–	–	–	–	–	–	–	–					
Marketable securities	166.3	181.3	204.1	204.1	204.2	201.3	20.0	(2.9)	231.9	27.8	27.7					
Cash and cash equivalents	212.3	162.0	187.1	192.5	267.8	230.5	68.5	(37.3)	360.3	173.2	92.5					
Net cash	378.6	343.4	391.2	396.6	472.0	431.8	88.4	(40.2)	592.2	201.0	120.2					
Other non-operating assets – net	(44.6)	7.7	(21.0)	(14.2)	(56.5)	(26.2)	(33.9)	30.3	(73.5)	(52.5)	(17.0)					
Net non-operating assets	334.0	351.0	370.2	382.5	415.5	405.6	54.6	(9.9)	518.7	148.5	103.2					
Total net assets	980.0	982.6	1,052.1	1,090.6	1,188.0	1,240.5	257.9	52.5	1,307.3	255.2	119.3					
Total net assets																
Total assets	1,235.5	1,144.6	1,275.8	1,353.4	1,538.7	1,584.9	440.3	46.2	1,625.6	349.8	86.9					
Total liabilities	(255.5)	(162.0)	(223.7)	(262.7)	(350.7)	(344.4)	(182.4)	6.3	(318.3)	(94.6)	32.4					
Attributable to																
Chugai shareholders	980.0	982.6	1,052.1	1,090.6	1,188.0	1,240.5	257.9	52.5	1,307.3	255.2	119.3					
Non-controlling interests	–	–	–	–	–	–	–	–	–	–	–					

Trade accounts receivable: trade receivable and notes receivable

Trade accounts payable: trade payable and notes payable

Other net working capital: accrued receivable (other receivable), accrued payable (other payable), accrued expenses (other current liabilities) etc.

Other long-term assets-net: long-term prepaid expenses, long-term provisions etc.

Other non-operating assets-net: deferred income tax assets, current income tax liabilities etc.

Net operating assets (NOA) and Net assets:

The consolidated balance sheet has been prepared in accordance with International Accounting Standards (IAS) No. 1, "Presentation of Financial Statements." On the other hand, Net operating assets (NOA) and Net assets are a reconfiguration of the consolidated balance sheet as internal indicators and are identical to the indicators disclosed by Roche. Furthermore, no items from Net operating assets (NOA) and Net assets of IFRS have been excluded, as the Core results concept only applies to the income statement.

Net operating assets (NOA):

Net operating assets allow for an assessment of the Group's operating performance of the business independently from financing and tax activities. Net operating assets are calculated as net working capital, long-term net operating assets that includes property, plant and equipment, right-of-use assets, intangible assets etc. minus provisions.

## Cash flows

(Billions of yen)

	Actual	Actual				Actual			
	FY2020	FY2021				FY2022			
	1-12	1-3	1-6	1-9	1-12	1-3	1-6	1-9	1-12
	YTD	YTD	YTD	YTD	YTD	YTD	YTD	YTD	YTD
Operating profit – IFRS basis	301.2	64.0	160.7	282.8	421.9	187.0	286.9		
Depreciation and impairment of property, plant and equipment	22.3	5.3	10.5	15.7	21.0	5.5	10.9		
Depreciation and impairment of right-of-use assets	5.5	1.3	2.8	4.3	5.9	1.2	2.4		
Amortization and impairment of intangible assets	3.6	0.7	4.0	6.0	10.3	0.8	1.4		
Other cash adjustment on operating profit	2.9	0.9	2.7	3.8	7.3	3.4	4.1		
Operating profit, net of operating cash adjustments	335.5	72.2	180.7	312.6	466.4	197.9	305.8		
(Increase) decrease in trade accounts receivable	(55.9)	57.4	15.4	(27.2)	(85.2)	24.6	56.7		
(Increase) decrease in inventories	3.3	(1.0)	(15.6)	(18.1)	(25.5)	(16.1)	(9.4)		
Increase (decrease) in trade accounts payable	10.5	(16.5)	10.0	41.9	38.1	13.8	(37.5)		
Change in other net working capital etc.	(22.3)	0.3	(22.7)	(18.1)	(10.5)	(55.5)	12.3		
Total (increase) decrease in net working capital etc.	(64.4)	40.2	(12.9)	(21.5)	(83.1)	(33.2)	22.1		
Investment in property, plant and equipment	(57.0)	(28.9)	(35.4)	(58.1)	(66.0)	(34.1)	(43.6)		
Lease liabilities paid	(8.4)	(2.2)	(4.3)	(6.3)	(9.0)	(1.8)	(3.7)		
Investment in intangible assets	(4.3)	(2.9)	(4.4)	(6.9)	(6.9)	(2.6)	(6.7)		
Operating free cash flows	201.2	78.3	123.7	219.8	301.4	126.2	273.8		
as % of revenues	25.6%	46.4%	31.7%	32.4%	30.1%	35.0%	54.3%		
Treasury activities (interest income/expenses, foreign exchange gains/losses etc.)	2.5	(2.5)	0.5	0.9	(5.4)	(4.3)	7.6		
Settlement for transfer pricing taxation	(1.5)	–	(0.0)	(2.8)	(2.5)	(2.4)	(2.4)		
Tax paid	(66.8)	(63.3)	(64.3)	(103.6)	(104.1)	(85.5)	(86.2)		
Free cash flows	135.4	12.4	59.9	114.3	189.4	33.9	192.8		
Dividends paid	(91.4)	(49.0)	(49.3)	(98.3)	(98.6)	(75.2)	(75.7)		
Transaction in own equity instruments	0.4	0.2	0.2	0.3	0.3	0.1	0.2		
Purchase of non-controlling interests	–	–	–	–	–	–	–		
Net effect of currency translation on net cash	1.2	1.2	1.8	1.8	2.3	0.9	3.0		
Net change in net cash	45.5	(35.2)	12.6	18.0	93.4	(40.2)	120.2		

Other cash adjustment on operating profit: adjustments for all non-cash income and expense items other than amortization expenses and impairment included in operating profit (such as loss on inventory differences, reserve for doubtful accounts, stock option expenses, loss on asset retirement, and increase/decrease in reserves) as well as all non-operating income and expense cash flows relating to net operating assets (NOA) including proceeds from the sales of assets and reserve payments.

Operating free cash flow (Operating FCF): pretax cash flow after adjusting changes in working capital and operating investments in assets (tangible and intangible) to “operating profit, net of operating cash adjustments,” which shows the company’s cash generation ability from operating activities.

Free cash flow (FCF): the ability to generate net cash from a management perspective after deducting tax, dividends, and other payments from operating FCF.

Net change in net cash: dividends paid, increases and decreases in marketable securities and interest-bearing debt, changes in equity are included.

The concepts of operating profit, operating FCF and Net operating assets (NOA) presented in the previous page are mutually consistent.

Free cash flow (FCF):

The consolidated statement of cash flows has been prepared in accordance with International Accounting Standard (IAS) No. 7, “Statement of Cash Flows.” FCF is a reconfiguration of the consolidated statement of cash flows as internal indicators and is identical to the indicators disclosed by Roche. Furthermore, no items from FCF have been excluded, as the Core results concept only applies to the income statement.

## Key Performance indicators

	Units	Actual	Actual				Actual				Forecast (Feb 3th announced)
		2020	2021				2022				2022
		1-12	1-3	1-6	1-9	1-12	1-3	1-6	1-9	1-12	1-12
		As of Dec. 31	As of Mar. 31	As of Jun. 30	As of Sep. 30	As of Dec. 31	As of Mar. 31	As of Jun. 30	As of Sep. 30	As of Dec. 31	As of Dec. 31
Total indicator											
Core return on invested capital (Core ROIC)	%	37.3	7.5	18.2	31.2	44.3	8.9	18.5			
Return on invested capital (ROIC)	%	36.5	7.4	17.7	30.4	43.1	16.5	26.2			
Ratio of profit to total assets (ROA)	%	18.7	4.0	9.4	15.8	21.8	8.4	12.9			
Ratio of equity attributable to Chugai shareholders	%	79.3	85.8	82.5	80.6	77.2	78.3	80.4			
Ratio of equity attributable to Chugai shareholders (stock price base)	%	732.2	644.8	567.3	498.5	399.1	425.1	351.1			
Price book value ratio (PBR)	times	9.2	7.5	6.9	6.2	5.2	5.4	4.4			
Ratio of net income to equity attributable to Chugai shareholders (ROE)	%	23.4	4.8	11.6	19.7	28.0	10.9	16.4			
Margin indicator (Core)											
ROS	%	39.1	38.7	42.5	42.9	43.4	36.8	39.9			38.3
COS ratio (vs. Prod. sales)	%	43.0	42.2	40.1	41.9	41.8	47.0	42.8			44.6
M&D cost ratio	%	9.1	9.4	8.7	7.7	7.6	6.2	7.0			
R&D cost ratio	%	14.4	17.0	15.4	13.9	13.0	12.2	13.0			13.0
G&A cost ratio	%	2.8	2.3	2.2	2.2	2.5	2.2	1.6			
Turn over indicator											
Total asset turnover	%	68.6	14.2	31.1	52.3	72.1	23.1	31.9			
Working capital turnover	%	131.9	26.4	58.8	100.1	141.0	44.9	64.6			
Inventory turnover	Months	8.1	10.0	9.7	8.0	7.4	5.9	6.7			
Receivables turnover	Months	3.7	3.2	3.6	3.7	4.2	3.2	3.0			
Payables turnover	Months	2.6	2.3	3.3	4.0	3.4	2.9	1.9			
Fixed asset turnover	%	257.9	52.2	117.6	199.5	287.5	94.9	131.6			
PP&E turnover	%	288.9	58.2	130.1	219.7	318.4	104.9	145.4			
Intangible assets turnover	%	3,319.0	676.6	1,587.9	2,783.9	4,360.5	1,538.5	2,123.4			
Dividend / per stock indicator											
Dividends per share (Half year)	Yen	75				30				38	38
Dividends per share (Year end)	Yen	30				46					38
Dividends per share (Full year)	Yen	-				76					76
Core earnings per share (diluted)	Yen	133.39	29.42	73.99	127.45	189.35	42.91	87.97			190.00
Core payout ratio (%)	%	41.2				40.1					40.0
Equity per share attributable to Chugai shareholders (BPS)	Yen	596.16	597.67	639.86	663.31	722.50	754.35	794.74			
Ratio of dividends to equity attributable to Chugai shareholders (DOE)	%	9.9				11.5					
Cashflow indicator											
Cash conversion cycle (CCC)	Months	9.2	10.9	9.9	7.7	8.2	6.2	7.9			
Net cash turnover period	Months	5.8	6.1	6.0	5.3	5.7	3.6	7.0			
Number of employees											
Investment on property, plant and equipment	Billions of yen	75.2	7.4	32.8	55.0	72.0	15.9	27.6			70.0
Depreciation	Billions of yen	22.0	5.3	10.5	15.7	21.0	5.5	10.9			23.0
Investment on intangible assets	Billions of yen	3.9	2.9	5.4	6.9	8.4	3.7	5.0			
Amortization	Billions of yen	2.9	0.7	2.4	3.3	4.0	0.6	1.3			

Core ROIC: Core net operating profit after taxes / Net operating assets (Core ROIC is calculated by using Core Income taxes)

ROIC: Net operating profit after taxes / Net operating assets (Net operating profit after taxes = Operating profit - income taxes)

ROA: Net income / total assets, ROE: Net income attributable for Chugai shareholders / Equity attributable to Chugai shareholders

Total asset turnover: Revenues / Total asset, CCC: [Trade accounts receivable/Sales + (Inventories - Trade accounts payable)/Cost of sales]\* passed months

Net cash turnover period: Net cash/Revenue\* passed months

Core ROIC, ROIC, ROA, ROE, total asset turnover, working capital turnover, fixed asset turnover, PP&E turnover, and intangible assets turnover are not annualized

The Adjusted figures are used for calculating average NOA for Core ROIC and ROIC

Effective July 1, 2020, Chugai Pharmaceutical Co., Ltd. ("Chugai") implemented a three-for-one stock split of its common stock.

The dividend for the second quarter of the fiscal year 2020 presents the amount prior to the stock split.

The annual dividend per share for the fiscal year ended December 31, 2020 is not stated because the amounts cannot be simply combined due to the implementation of the stock split.

The annual dividend per share is ¥165 when calculated based on the assumption of no stock split, and ¥55 when calculated with the stock split taken into account.

Core EPS and BPS presents the amount after the stock split.

**Major capital investments plan**

(The Company)

(Billions of yen)

Facilities (Location)	Description	Planned investment		Fund raising method	Start of construction	Slated completion date
		Total amount	Investment to-date			
Fujieda area (Fujieda city, Shizuoka)	Enhancement of small and middle molecule APIs (FJ2)	19.1	16.8	Self-financing	May 2019	August 2022

The slated completion date has been changed due to steady progress in the investment plan for construction of a new manufacturing building for APIs(FJ2) in Fujieda area.

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Development Pipeline [Main table] (as of July 21, 2022)

Development code Origin	Generic name Product name	Indication # Additional indication (Combination drug)	Country/ region	Projected submission	Mode of Action Modality (Dosage form)	Partner
<b>Filed</b>						
RG7596 Seagen	polatuzumab vedotin Polivy	Diffuse large B-cell lymphoma (DLBCL) (1 <sup>st</sup> Line) # (Rituxan+Chemo)	Japan	December 2021	Anti-CD79b antibody-drug conjugate Antibody (IV)	Roche
RG7159 GlycArt Biotechnology	obinutuzumab Gazyva	Chronic lymphocytic leukemia # (acalabrutinib)	Japan	March 2022	Glycoengineered type II anti-CD20 monoclonal antibody Antibody (IV)	Nippon shinyaku
MRA/RG1569 in-house	tocilizumab Actemra	COVID-19 pneumonia #	US	April 2022	Humanized anti-human IL-6 receptor monoclonal antibody Antibody (IV)	Roche
ACE910 /RG6013 in-house	emicizumab Hemlibra	Hemophilia A (mild-moderate) #	EU	Q2 2021	Anti-factor IXa/X bispecific antibody Antibody (SC)	Roche
<b>Phase III</b>						
AF802/RG7853 in-house	alectinib Alecensa	NSCLC (adjuvant) #	Global	2023	ALK inhibitor Small molecule (oral)	Roche
RG7446 Roche	atezolizumab Tecentriq	NSCLC (neoadjuvant) #	Japan	2023	Engineered anti-PD-L1 monoclonal antibody Antibody (IV)	Roche
		NSCLC (2 <sup>nd</sup> Line) (cabozantinib)	Japan	2023		Takeda
		Urothelial carcinoma (1 <sup>st</sup> Line) #	Japan	2023		Roche
		Muscle-invasive bladder cancer (adjuvant) #	Japan	2024		Roche
		Renal cell carcinoma (adjuvant) #	Japan	-		Roche
		Renal cell carcinoma (2 <sup>nd</sup> Line) # (cabozantinib)	Japan	2023		Takeda
		Early breast cancer (adjuvant) #	Japan	2025 and beyond		Roche
		Early breast cancer (neoadjuvant) #	Japan	2025 and beyond		Roche
		Hepatocellular carcinoma (HCC) (adjuvant) # (Avastin) #	Japan	2023		Roche
		HCC (intermediate stage) # (Avastin) #	Japan	2025 and beyond		Roche
HCC (2 <sup>nd</sup> Line) # (lenvatinib or sorafenib)	Japan	2025 and beyond	Roche			

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		Head and neck carcinoma (adjuvant) #	Japan	2023		Roche
		Prostate cancer (2 <sup>nd</sup> Line) # (cabozantinib)	Japan	-		Takeda
RG435 Roche	bevacizumab Avastin	Small cell lung cancer (SCLC) (1 <sup>st</sup> Line) # (Tecentriq)	Japan/ China	2023	Anti-VEGF (Vascular Endothelial Growth Factor) humanized monoclonal antibody Antibody (IV)	Roche (China)
RG7440 Array BioPharma	ipatasertib -	Prostate cancer (1 <sup>st</sup> Line) (abiraterone)	Japan	2023	AKT inhibitor Small molecule (Oral)	Roche
RG6264 Roche	trastuzumab /pertuzumab -	Breast cancer	Japan	2022	Anti-HER2 humanized monoclonal antibody/ HER2 dimerization inhibitory humanized monoclonal antibody Antibody (Fixed-dose combination, SC)	Roche
RG6058 Roche	tiragolumab -	NSCLC (1st Line) (Tecentriq)	Japan	2023	Anti-TIGIT human monoclonal antibody Antibody (IV)	Roche
		NSCLC (stage III) (Tecentriq) #	Japan	2024		Roche
		Esophageal cancer (Tecentriq) #	Japan	2024		Roche
RG6171 Roche	giredestrant -	Breast cancer (adjuvant)	Japan	2025 and beyond	SERD (Selective Estrogen Receptor Degradar) Small molecule (Oral)	Roche
		Breast cancer (1 <sup>st</sup> Line) (palbociclib + letrozole)	Japan	2025 and beyond		Roche
RG7828 Roche	mosunetuzumab -	Follicular lymphoma (2 <sup>nd</sup> Line) (lenalidomide)	Japan	2025 and beyond	Anti-CD20/CD3 bispecific antibody Antibody (IV)	Roche
RG6396 Blueprint Medicines	pralsetinib -	NSCLC (1st Line) (pembrolizumab)	Japan	2025 and beyond	RET inhibitor Small molecule (Oral)	Roche
RG7159 GlycArt Biotechnology	obinutuzumab Gazyva	Lupus nephritis #	Japan	2025 and beyond	Glycoengineered type II anti-CD20 monoclonal antibody Antibody (IV)	Nippon shinyaku
SA237/RG6168 in-house	satralizumab Enspryng	Generalized myasthenia gravis (gMG) #	Global	2024	pH-dependent binding humanized anti-IL-6 receptor monoclonal antibody Antibody (SC)	Roche
RG1450 MorphoSys	gantenerumab -	Alzheimer's disease	Japan	2023	Anti-amyloid-beta human monoclonal antibody Antibody (SC)	Roche
RG6042 Ionis	tominersen -	Huntington's disease	Japan	-	Antisense oligonucleotide targeting HTT mRNA Nucleic acid (IV)	Roche

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	Pharmaceuticals						
	RG6356/ SRP-9001 Sarepta	delandistrogene moxeparvovec -	Duchenne muscular dystrophy (DMD)	Japan	2024	Microdystrophin gene therapy Gene therapy (Intramuscular injection)	Sarepta*
	SKY59/RG6107 in-house	crovalimab -	Paroxysmal nocturnal hemoglobinuria (PNH)	Global	2023 (China: 2022)	Anti-C5 recycling antibody Antibody (SC)	Roche
			Atypical hemolytic uremic syndrome (aHUS)	Global	2024		Roche
	RG7716 Roche	faricimab Vabysmo	Retinal vein occlusion #	Japan	2023	Anti-VEGF/Anti-Ang-2 bispecific antibody Antibody (vitreous injection)	Roche
<b>Phase II/III</b>							
	GYM329/ RG6237 in-house	- -	Spinal muscular atrophy (Evrysdi)	Global	2025 and beyond	Anti-latent myostatin sweeping antibody Antibody (SC)	Roche
<b>Phase II</b>							
	RG6396 Blueprint Medicines	pralsetinib -	NSCLC (2nd Line)	Japan	2024	RET inhibitor Small molecule (Oral)	Roche
	RG7906 Roche	ralmitaront -	Schizophrenia	Japan	—	Partial TAAR1 agonist Small molecule (Oral)	Roche
	SKY59/RG6107 in-house	crovalimab -	Sickle cell disease (SCD)	US · EU	2025 and beyond	Anti-C5 recycling antibody Antibody (SC)	Roche
<b>Phase I/II</b>							
	NXT007 in-house	- -	Hemophilia A	Global	—	Anti-coagulation factor IXa/X bispecific antibody Antibody (SC)	—
	RG6321 Roche	ranibizumab (Port delivery system) -	Neovascular age-related macular degeneration	Japan	2024	Humanized anti-VEGF monoclonal antibody Fragment Fab Antibody (injection via implant)	Roche
			Diabetic macular edema	Japan	2024		Roche
<b>Phase I</b>							
	LUNA18 in-house	-	Solid tumors	Global	—	RAS inhibitor Mid-size molecule (Oral)	—
	GC33 in-house	codrituzumab -	HCC	Global	—	Anti-Glypican-3 humanized monoclonal antibody Antibody (IV)	—
	ERY974 in-house	- -	Solid tumors	Global	—	Anti-Glypican-3/CD3 bispecific antibody Antibody (IV)	—
	STA551 in-house	- -	Solid tumors	Global	—	Anti-CD137 agonistic Switch antibody Antibody (IV)	—
	SOF10/RG6440	-	Solid tumors	Global	—	Anti-latent TGF-β1 monoclonal antibody	Roche



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	in-house	-				Antibody (IV)	
	SPYK04	-	Solid tumors	Global	-	-	-
	in-house	-				Small molecule (Oral)	
	RG7828	mosunetuzumab	Follicular lymphoma (3 <sup>rd</sup> Line)	Japan	2024	Anti-CD20/CD3 bispecific antibody	Roche
	Roche	-				Antibody (IV)	
	RG7421	cobimetinib	Solid tumors	Japan	-	MEK inhibitor	Roche
	Exelixis	-				Small molecule (Oral)	
	RG7802	cibisatamab	Solid tumors	Japan	-	Anti-CEA/CD3 bispecific antibody	Roche
	Roche	-				Antibody (IV)	
	RG6026	glofitamab	Hematologic tumors	Japan	-	Anti-CD20/CD3 bispecific antibody	Roche
	Roche	-				Antibody (IV)	
	RG6194	-	Solid tumors	Japan	-	Anti-HER2/CD3 bispecific antibody	Roche
	Roche	-				Antibody (IV)	
	GYM329/ RG6237	- -	Neuromuscular disease	Global	-	Anti-latent myostatin sweeping antibody	Roche
	in-house					Antibody (SC)	
	RG7935	prasinezumab	Parkinson's disease	Japan	-	Anti- $\alpha$ -synuclein monoclonal antibody	Roche
	Prothena	-				Antibody (IV)	
	RG6100	semorinemab	Alzheimer's disease	Japan	-	Anti-tau humanized monoclonal antibody	Roche
	AC Immune	-				Antibody (IV)	
	RG6102	-	Alzheimer's disease	Japan	-	Anti-amyloid beta/TfR1 fusion protein	Roche
	MorphoSys	-				Antibody (IV)	
	AMY109	-	Endometriosis	Global	-	-	-
	in-house	-				Antibody (SC)	
<b>Development discontinued</b>							
	RG7446	atezolizumab	Ovarian cancer (1st Line) #	Japan	-	Engineered anti-PD-L1 monoclonal antibody	Roche
	Roche	Tecentriq	(Avastin) #			Antibody (IV)	
	RG6058	tiragolumab	SCLC (1st Line)	Japan	-	Anti-TIGIT human monoclonal antibody	Roche
	Roche	-	(Tecentriq)			Antibody (IV)	
	RG7880	efmarodocokin alfa	Inflammatory bowel disease	Japan	-	Human IL-22 fusion protein	Roche
	Roche	-				Non-antibody protein (IV)	

In principle, completion of first dose is regarded as the start of clinical studies in each phase. \* Sarepta manages the global study including Japan

## Changes from the last announcement on April 25, 2022

### Oncology

- RG7446 Filed → Approved (NSCLC (adjuvant))
- RG6396 Phase II (NSCLC (2nd Line): development started)
- RG7446 Phase III (Ovarian cancer (1st Line): development discontinued)
- RG6058 Phase III (SCLC (1st Line): development discontinued)

### Immunology

- RG7159 Phase III (Lupus nephritis: development started)
- RG7880 Phase I (Inflammatory bowel disease: development discontinued)

### Neuroscience

- GYM329/RG6237 Phase II /III (Spinal muscular atrophy: development started)

### Hematology

- ACE910/RG6013 Filed → Approved (Acquired hemophilia A)

## R&D Activities

For the changes during the FY2022 (January 1 – June 30), please refer to page 4 of “CONSOLIDATED FINANCIAL STATEMENTS (IFRS) (Non-Audited) (for the Second quarter of the fiscal year 2022).”

Changes from July 1 to July 21, 2022 are as follows:

### Other Diseases

- We launched activated vitamin D3 agent ED-71 (Product name: Edirol) in China for the treatment of postmenopausal osteoporosis in July 2022.

**Development Pipeline [Attached table] (Major Chugai originated developments licensed out to 3rd party excluding Roche)**

Development code In-house/licensee	Generic name Product name	Indication # Additional Indication (combination)	Stage Country/region	Mode of Action Modality (Dosage form)	Licensee (Granted rights )
CKI27/VS-6766	—	Ovarian cancer (defactinib)	Phase II Global	RAF/MEK inhibitor Small molecule (Oral)	Verastem (exclusive global license for the manufacturing, development and marketing)
		NSCLC (defactinib)	Phase II Global		
CIM331	nemolizumab Mitchga	Itching associated with atopic dermatitis (only when existing treatment is insufficiently effective)	Approved (March 2022) Japan	Anti-IL-31 receptor A humanized monoclonal antibody Antibody (SC)	Maruho (rights for development and marketing in the skin disease area for the Japanese market)
		Prurigo nodularis	Phase II/III Japan		
		Atopic dermatitis	Phase III Global		Galderma (exclusive global license for the development and marketing excluding Japan and Taiwan)
		Chronic kidney disease associated pruritus	Phase II/III Global		
OWL833/ LY3502970	—	Type 2 diabetes	Phase II Global	Oral non-peptidic GLP-1 receptor agonist Small molecule (Oral)	Eli Lilly and Company (worldwide development and commercialization rights)
		Obesity	Phase II Global		

Progress made in R&D activities of major Chugai originated developments licensed out to 3<sup>rd</sup> party excluding Roche during the period from January 1, 2022 to July 21, 2022 was as follows.

- In Japan, Maruho obtained approval for the anti-IL-31 receptor A humanized monoclonal antibody CIM331 (Product name: Mitchga) for the treatment of itching associated with atopic dermatitis (only when existing treatment is insufficiently effective) in March 2022.

**Response to Requests from the MHLW Review Committee on Unapproved Drugs and Indications with High Medical Needs (As of July 21, 2022)**

Development Request	Product	Indication	Development Status
Fourth development request	Xeloda	Neuroendocrine tumor	Submitted company opinion and waiting for evaluation by committee
	Avastin	Cerebral edema induced by radiation necrosis	Submitted company opinion and waiting for evaluation by committee

**Major Clinical Trials**

Project	Expected Indication	Study design	Study name	Stage	CT information	
<b>Oncology</b>						
RG7446 (Tecentriq)	NSCLC [1 <sup>st</sup> line]	PD-L1 positive: Tecentriq ± RG6058	SKYSCRAPER-01	Phase III	NCT04294810	
	NSCLC [stage III]	Tecentriq + RG6058 vs. durvalumab	SKYSCRAPER-03	Phase III	NCT04513925	
	NSCLC [2 <sup>nd</sup> line]	Tecentriq + cabozantinib vs. docetaxel	CONTACT-01	Phase III	NCT04471428	
	NSCLC (neoadjuvant)	Chemo ± Tecentriq	IMpower030	Phase III	NCT03456063	
	SCLC [1 <sup>st</sup> line]	Tecentriq + chemo ± Avastin	BEAT-SC	Phase III	JapicCTI-195034 (Japanese only)	
	Urothelial carcinoma [1 <sup>st</sup> line]	Tecentriq ± chemo vs. chemo	IMvigor130	Phase III	NCT02807636	
	Muscle-invasive bladder cancer (adjuvant)	Tecentriq vs. placebo	IMvigor011	Phase III	NCT04660344	
	Prostate cancer [2 <sup>nd</sup> line]	Tecentriq + cabozantinib vs. novel hormonal therapy	CONTACT-02	Phase III	NCT04446117	
	Renal cell carcinoma [2 <sup>nd</sup> line]	cabozantinib ± Tecentriq	CONTACT-03	Phase III	NCT04338269	
	Early breast cancer		TNBC (adjuvant): paclitaxel ± Tecentriq	IMpassion030	Phase III	NCT03498716
			TNBC (neoadjuvant): nab-paclitaxel ± Tecentriq	IMpassion031	Phase III	NCT03197935
	HCC (adjuvant)	Tecentriq + Avastin vs. active surveillance	IMbrave050	Phase III	NCT04102098	
	HCC (intermediate stage)	Tecentriq + Avastin + TACE vs. TACE	TALENTACE	Phase III	NCT04803994	
	HCC [2 <sup>nd</sup> line]	Tecentriq + lenvatinib or sorafenib vs. lenvatinib or sorafenib	IMbrave251	Phase III	NCT04770896	
	Head and neck carcinoma (adjuvant)	Tecentriq vs. placebo	IMvoke010	Phase III	NCT03452137	
Esophageal cancer	Tecentriq + RG6058 vs. Tecentriq vs. placebo	SKYSCRAPER-07	Phase III	NCT04543617		
RG7440 (ipatasertib)	Prostate cancer [1 <sup>st</sup> line]	castration-resistant: abiraterone ± RG7440	IPATential150	Phase III	NCT03072238	
RG7596 (Polivy)	DLBCL	Rituxan + Chemo ± Polivy	POLARIX	Filed	NCT03274492	

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Project	Expected Indication	Study design	Study name	Stage	CT information
RG6264	Breast cancer	RG6264 (SC) + chemo vs. Herceptin (IV) + Perjeta (IV) + chemo	FeDeriCa	Phase III	NCT03493854
AF802 (Alecensa)	NSCLC (adjuvant)	ALK fusion-positive: Alecensa vs. chemo	ALINA	Phase III	NCT03456076
RG6171 / SERD	Breast cancer	HR positive: RG6171 + palbociclib ± Letrozole	persevERA	Phase III	NCT04546009
	Breast cancer (adjuvant)	HR positive: RG6171 vs. endocrine therapy	lidERA	Phase III	NCT04961996
RG7828	Follicular lymphoma [2 <sup>nd</sup> line]	RG7828 + lenalidomide vs Rituxan + lenalidomide	CELESTIMO	Phase III	NCT04712097
	Follicular lymphoma [3 <sup>rd</sup> line]	RG7828 + tocilizumab + lenalidomide	Mosun	Phase I (domestic)	JapicCTI-183857 (Japanese only)
RG6396 (pralsetinib)	NSCLC [1 <sup>st</sup> line]	RG6396 vs. platinum-based chemotherapy ± pembrolizumab	AcceleRET-Lung	Phase III	NCT04222972
	NSCLC [2 <sup>nd</sup> line]	RG6396 (single arm)	-	Phase II (domestic)	JRCT2021210074 (Japanese only)
<b>Immunology</b>					
MRA/RG1569 (Actemra)	COVID-19 pneumonia	Actemra vs. Placebo	COVACTA	Filed	NCT04320615
		remdesivir ± Actemra	EMFACTA		NCT04372186
		Actemra (Umbrella trial)	REMDACTA		NCT04409262
			RECOVERY		NCT04381936
RG7159 (Gazyva)	Lupus nephritis	standard treatment ± Gazyva	-	Phase III (domestic)	JRCT2011210059 (Japanese only)
<b>Neuroscience</b>					
SA237 (Enspryng)	Generalized myasthenia gravis (gMG)	Enspryng vs. Placebo	Luminesce	Phase III	NCT04963270
RG1450 (gantenerumab)	Alzheimer's disease	gantenerumab vs. Placebo	GRADUATE1	Phase III	NCT03444870
			GRADUATE2	Phase III	NCT03443973
RG6356/SRP-9001	Duchenne muscular dystrophy (DMD)	RG6356 vs. Placebo	EMBARK	Phase III	NCT05096221
GYM329/RG6237	Spinal muscular atrophy (SMA)	GYM329 ± Evrysdi	MANATEE	Phase II/III	NCT05115110
<b>Hematology</b>					
SKY59/RG6107 (crovalimab)	Paroxysmal nocturnal hemoglobinuria (PNH)	crovalimab vs. Eculizumab	COMMODORE1	Phase III	NCT04432584
		crovalimab (single arm)	COMMODORE2	Phase III	NCT04434092
	Atypical hemolytic uremic syndrome (aHUS)	crovalimab (single arm)	COMMODORE3	Phase III	NCT04654468
			COMMUTE-a	Phase III	NCT04861259
	Sickle cell disease (SCD)	crovalimab vs. Placebo	COMMUTE-p	Phase III	NCT04958265
			CROSSWALK-c	Phase IIa	NCT05075824

Project	Expected Indication	Study design	Study name	Stage	CT information
<b>Ophthalmology</b>					
RG7716 (Vabysmo)	Retinal vein occlusion	Vabysmo vs. aflibersept	BALATON	Phase III	NCT04740905
			COMINO	Phase III	NCT04740931
RG6321 (ranibizumab (Port delivery system))	Neovascular age-related macular degeneration / Diabetic macular edema	RG6321 (single arm)	-	Phase I/II (domestic)	jRCT2071210073 (Japanese only)

### FoundationOne CDx Cancer Genomic Profile: companion diagnostic indications (as of July 21, 2022)

Alterations	Cancer type	Relevant drugs
Activated <i>EGFR</i> gene alterations	NSCLC	afatinib dimaleate, erlotinib hydrochloride, gefitinib, osimertinib mesilate, <u>dacomitinib hydrate</u>
<i>EGFR</i> exon 20 T790M alterations		osimertinib mesilate
<i>ALK</i> fusion genes		alectinib hydrochloride, crizotinib, ceritinib, <u>brigatinib</u>
<i>ROS1</i> fusion genes		entrectinib
<i>MET</i> exon 14 skipping alterations		capmatinib hydrochloride hydrate
<i>BRAF</i> V600E and V600K alterations	Malignant melanoma	dabrafenib mesilate, trametinib dimethyl sulfoxide, vemurafenib, <u>encorafenib</u> , <u>binimetinib</u>
<i>ERBB2</i> copy number alterations (HER2 gene amplification positive)	Breast cancer	trastuzumab (genetical recombination)
<i>KRAS/NRAS</i> wild-type	Colorectal cancer	cetuximab (genetical recombination), panitumumab (genetical recombination)
Microsatellite instability-high		nivolumab (genetical recombination)
Microsatellite instability-high	Solid tumors	pembrolizumab (genetical recombination)
Tumor mutational burden-high		pembrolizumab (genetical recombination)
<i>NTRK1/2/3</i> fusion gene		entrectinib, larotrectinib sulfate
<i>BRCA1/2</i> alterations	Ovarian cancer	olaparib
<i>BRCA1/2</i> alterations	Prostate cancer	olaparib
<i>FGFR2</i> fusion genes	Biliary Tract Cancer	pemigatinib

- Underlined are companion diagnostics approved on June 2, 2022

- Application withdrawn for *BRAF* B600E alteration-positive NSCLC (dabrafenib, trametinib) based on the result of PMDA review.

**FoundationOne Liquid CDx Cancer Genomic Profile: companion diagnostic indications (as of July 21, 2022)**

<b>Alterations</b>	<b>Cancer type</b>	<b>Relevant drugs</b>
Activated <i>EGFR</i> gene alterations	NSCLC	afatinib dimaleate, erlotinib hydrochloride, gefitinib, osimertinib mesilate
<i>EGFR</i> exon 20 T790M alterations		osimertinib mesilate
<i>ALK</i> fusion genes		alectinib hydrochloride, crizotinib, ceritinib
<i>ROS1</i> fusion genes		entrectinib
<i>NTRK1/2/3</i> fusion gene	Solid tumors	entrectinib
<i>BRCA1/2</i> alterations	Prostate cancer	olaparib