Celltrion, Inc. and its subsidiaries

Interim condensed consolidated financial statements for the six-month periods ended June 30, 2022 and 2021 with the independent auditor's review report



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Report on review of interim condensed consolidated financial statements

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Report on review of interim condensed consolidated financial statements

(English Translation of a Report Originally Issued in Korean)

The Shareholders and Board of Directors Celltrion, Inc.

We have reviewed the accompanying interim condensed consolidated financial statements of Celltrion, Inc. and its subsidiaries (collectively referred to as the "Group") which comprise the interim condensed consolidated statement of financial position as of June 30, 2022, and the related interim condensed consolidated statements of profit and loss and interim condensed consolidated statements of comprehensive income for the three-month and six-month periods ended June 30, 2022 and 2021, interim condensed consolidated statements of changes in equity and interim condensed consolidated statements of cash flows for the six-month periods then ended, and a summary of significant accounting policies and other explanatory information.

Management's responsibility for the interim condensed consolidated financial statements

Management is responsible for the preparation and presentation of these interim condensed consolidated financial statements in accordance with International Financial Reporting Standards as adopted by the Republic of Korea ("KIFRS") 1034 *Interim Financial Reporting*, and for such internal control as management determines is necessary to enable the preparation of the interim condensed consolidated financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's responsibility

Our responsibility is to express a conclusion on these interim condensed consolidated financial statements based on our review.

We conducted our review in accordance with the Review Standards for Quarterly and Semiannual Financial Statements established by the Securities and Futures Commission of the Republic of Korea. A review of interim financial information consists of making inquiries, primarily of persons responsible for financial and accounting matters, and applying analytical and other review procedures. A review is substantially less in scope than an audit conducted in accordance with Korean Standards on Auditing ("KSAs"). Consequently, it does not enable us to obtain assurance that we would become aware of all significant matters that might be identified in an audit. Accordingly, we do not express an audit opinion.

Conclusion

Based on our review, nothing has come to our attention that causes us to believe that the accompanying interim condensed consolidated financial statements are not presented, in all material respects, in accordance with KIFRS 1034 *Interim Financial Reporting*.



Emphasis of matter

We draw attention to Note 25 to the accompanying interim condensed consolidated financial statements, which describes that the Group has restated the interim condensed consolidated statement of profit and loss, interim condensed consolidated statement of comprehensive income, interim condensed consolidated statement of changes in equity and interim condensed consolidated statement of cash flows for the six-month period June 30, 2021, presented for comparative purposes, to reflect adjustments for incorrect accounting treatments, such as overstatement of intangible assets under development. As a result, the Group's profit for the six-month period ended June 30, 2021 increased by \text{\text{\text{W}}2,813 million.} Our review conclusion is not modified in respect of this matter.

Other matter

We have audited the consolidated statement of financial position of the Group as of December 31, 2021, and the related consolidated statement of profit or loss, consolidated statement of comprehensive income, consolidated statement of changes in equity and consolidated statement of cash flows for the year then ended in accordance with KSAs (not presented herein), and our report dated May 12, 2022, expressed an unqualified opinion thereon. The accompanying consolidated statement of financial position as of December 31, 2021, presented for comparative purposes, is not different, in all material respects, from the above audited consolidated statement of financial position.

Ernot Young Han Young

August 16, 2022

This review report is effective as of August 16, 2022, the independent auditor's review report date. Accordingly, certain material subsequent events or circumstances may have occurred during the period from the date of the independent auditor's review report date to the time this review report is used. Such events and circumstances could significantly affect the accompanying interim condensed consolidated financial statements and may result in modification to this review report.

Celltrion, Inc. and its subsidiaries Interim condensed consolidated financial statements

for the six-month periods ended June 30, 2022 and 2021

"The accompanying interim condensed consolidated financial statements, including all footnotes and disclosures, have been prepared by, and are the responsibility of, the Group."

Kee, Woo Sung Chief Executive Officer Celltrion, Inc.

Celltrion, Inc. and its subsidiaries Interim condensed consolidated statements of financial position as of June 30, 2022 and December 31, 2021

(Korean won in millions)				
,	Notes		June 30, 2022 (Unaudited)	December 31, 2021 (Restated)
Assets				
Current assets				
Cash and cash equivalents	4	₩	541,516	₩ 1,188,326
Short-term financial assets	4,5		38,291	31,575
Trade receivables	4,6,21,22		1,482,718	1,101,089
Other receivables	4,22		50,769	63,294
Inventories			737,842	578,057
Other current assets	14		138,278	112,130
Total current assets			2,989,414	3,074,471
Non-current assets				
Long-term financial assets	4,5	₩	23,003	₩ 24,435
Long-term other receivables	4		11,565	12,491
Investments in associates	7		80,224	64,841
Property, plant and equipment	8		973,790	950,412
Intangible assets	9		1,546,691	1,491,571
Other non-current assets			26,099	27,279
Deferred tax assets			37,128	28,623
Total non-current assets			2,698,500	2,599,652
Total assets		₩	5,687,914	₩ 5,674,123
Liabilities				
Current liabilities	4.0.40	***	004 504	TT 500 500
Short-term financial liabilities	4,8,10	₩	621,524	₩ 569,599
Trade payables	4		86,996	80,723
Other payables	4,22		295,040	228,419
Current tax liabilities			68,569	179,552
Provisions	44.00		5,721	3,849
Other current liabilities	14,22		107,740	148,338
Total current liabilities			1,185,590	1,210,480
Non-current liabilities				
Long-term financial liabilities	4,8,10	₩	178,642	₩ 174,757
Long-term other payables	4		5,281	13,985
Other non-current liabilities	22		246,825	202,950
Deferred tax liabilities			33,641	21,576
Total non-current liabilities			464,389	413,268
Total liabilities			1,649,979	1,623,748
Equity				
Equity attributable to owners of the parent	10	117	140 769	117 040
Issued capital	12 12	₩	140,768	₩ 137,948
Share premium	12		849,121	840,337
Retained earnings			3,249,218	3,052,474
Accumulated other comprehensive income	40		55,012	24,987
Other components of equity	12		(391,217)	(138,508)
Non-controlling interests	23		135,033	133,137
Total equity		777	4,037,935	4,050,375
Total liabilities and equity		₩		<u>₩ 5,674,123</u>
			TRUE	TRUE

Celltrion, Inc. and its subsidiaries Interim condensed consolidated statements of profit or loss for the three months and six months ended June 30, 2022 and 2021

(Korean won in millions, except earnings per share)

		June 30, 2022 (Unaudited)				June 30, 2021 (Unaudited and Restated)			
	Notes	3	months		6 months	3	months	6	months
Sales	14,21,22	₩	596,066	₩	1,146,664	₩	431,769	₩	888,738
Cost of sales	18,22		(295,853)		(594,957)		(191,615)		(349,456)
Gross profit			300,213		551,707		240,154		539,282
Selling and administrative expenses	18,22		(101,246)		(210,459)		(76,165)		(165,603)
Operating profit			198,967		341,248		163,989		373,679
Other income Other expenses Finance income Finance costs Gain on investments in associates	16,22 16,22 17,22 17		19,351 (8,126) 7,483 (3,952)		28,404 (22,905) 15,118 (6,271)		976 (4,982) 2,862 (4,465)		44,941 (9,047) 17,622 (7,825)
and joint ventures, net	7		13,068		11,916		(1,978)		(2,490)
Profit before tax Income tax expense Profit for the period	15	₩	226,791 (42,766) 184,025	₩	367,510 (62,244) 305,266	₩	156,402 (26,084) 130,318	₩	416,880 (87,300) 329,580
Attributable to: Owners of the parent Non-controlling interests	23	₩	183,417 608	₩	301,944 3,322	₩	126,280 4,038	₩	321,935 7,645
Earnings per share (Korean won) Basic earnings per share Diluted earnings per share	19	₩	1,328 1,326	₩	2,181 2,178	₩	907 902	₩	2,313 2,300

Celltrion, Inc. and its subsidiaries Interim condensed consolidated statements of comprehensive income for the three months and six months ended June 30, 2022 and 2021

(Korean won in millions)

		June 30, 2022				June 30, 2021			
		(Unaudited)				(Unaudited and Restated)			
		3 months		months	3	months	6	months	
Profit for the period	₩	184,025	₩	305,266	₩	130,318	₩	329,580	
Other comprehensive income		22,702		30,120		539		7,174	
Other comprehensive income Items that may be reclassified subsequently to profit or loss: Gain (loss) on translation of foreign									
operations		23,659		30,633		(1,044)		11,516	
Items that will not be reclassified subsequently to profit or loss: Equity adjustments of investments in									
associates and joint ventures Gain (loss) on translation of foreign	7	9		18		-		(117)	
operations Gain (loss) on valuation of financial asse	te	63		95		(6)		34	
at FVOCI Income tax effect relating to components		(1,416)		(857)		2,192		(5,920)	
of other comprehensive income (loss)		387		231		(603)		1,661	
Total comprehensive income for the period, net of tax	₩	206,727	117	335,386	₩	130,857	¥¥.	336,754	
for the period, het of tax	VV	200,727	VV	333,300	VV	130,037	VV	330,754	
Attributable to:									
Owners of the parent	₩	206,056	₩	331,969	₩	126,825	₩	329,076	
Non-controlling interests 2	:3	671		3,417		4,032		7,678	

Celltrion, Inc. and its subsidiaries Interim condensed consolidated statements of changes in equity for the six months ended June 30, 2022 and 2021

(Korean won in millions)

	Notes	Issued capital	Share premium		Retained earnings	cor	ocumulated other mprehensive income		Other omponents of equity	Non- contolling interests		Total
As of January 1, 2021		₩ 134,998	₩ 812,156	₩	2,475,297	₩	6,298	₩	(121,072) W	119,903	₩	3,427,580
Total comprehensive income									, ,			
Profit for the period		-	-		321,935		-		-	7,645		329,580
Loss on valuation of financial assets at FVOCI		-	-		-		(4,292)		-	-		(4,292)
Gain on translation of foreign operations Equity adjustments of investments in	3 7	-	-		-		11,516		-	34		11,550
associates and joint ventures		-	-		-		(84)		=	=		(84)
·		-			321,935		7,140		-	7,679		336,754
Transactions with owners recognized directly to equity:												
Stock dividends	12,13	2,676	-		(2,676)		-		-	-		_
Exercise and forfeit of stock warrants	12	243	25,041		-		-		(7,030)	830		19,084
Recognition of stock warrants	12	-	-		-		-		11,273	594		11,867
Acquisition of treasury stock	12	-	-		-		-		(33,891)	(5,235)		(39,126)
Change in percentage of ownership in subsidiaries, etc. Total transactions with owners		-	-		-		-		(150)	150		-
As of June 30, 2021 (Unaudited and Rest	ated)	₩ 137,917	₩ 837,197	₩	2,794,556	₩	13,438	₩	(150,870)	123,921	₩	3,756,159

(continued)

Celltrion, Inc. and its subsidiaries Interim condensed consolidated statements of changes in equity for the six months ended June 30, 2022 and 2021 (cont'd)

(Korean won in millions)

	Notes	Issued capital	Share premium	Retained earnings	Accumulated other comprehensive income	Other components of equity	Non- contolling interests	Total
As of January 1, 2022	:	₩ 137,948	₩ 840,337	₩ 3,052,474	₩ 24,987	₩ (138,508)	₩ 133,137 ₩	4,050,375
Total comprehensive income				004.044			0.000	005.000
Profit for the period		-	-	301,944	- (004)	-	3,322	305,266
Loss on valuation of financial assets at FVOCI		-	-	-	(621)	-	-	(621)
Gain on translation of foreign operation	ns	-	-	-	30,633	_	95	30,728
Equity adjustments of investments in	7							
associates and joint ventures		-	-	-	13	_	-	13
•	-	-	-	301,944	30,025	-	3,417	335,386
Transactions with owners recognized								
directly to equity:								
Stock dividends	12,13	2,732	-	(2,732)	-	-	-	-
Cash dividends		-	-	(102,468)	-	_	-	(102,468)
Exercise and forfeit of stock warrants	12	88	8,784	-	-	(2,759)	584	6,697
Recognition of stock warrants	12	-	-	-	-	13,163	834	13,997
Acquisition of treasury stock	12	-	-	-	-	(262,801)	(4,577)	(267,378)
Other equities		-	-	-	-	-	1,326	1,326
Change in percentage of ownership							·	·
in subsidiaries, etc.		-	-	-	-	(312)	312	-
As of June 30, 2022 (Unaudited)	:	₩ 140,768	₩ 849,121	₩ 3,249,218	₩ 55,012	₩ (391,217)	₩ 135,033 ₩	4,037,935

Celltrion, Inc. and its subsidiaries Interim condensed consolidated statements of cash flows for the six months ended June 30, 2022 and 2021

(Korean won in millions)			June 30, 2022	June 30, 2021
	Notes		(Unaudited)	(Unaudited and Restated)
Operating activities				
Cash generated from operations	20	₩	(56,600)	₩ 423,099
Income tax paid			(167,794)	(86,712)
Net cash flows provided by (used in) operating activities			(224,394)	336,387
Investing activities				
Cash inflow from investing activities				
Interest received			6,987	1,794
Dividends received			228	1,550
Decrease in short-term financial assets			10,489	8,034
Decrease in other receivables			23,362	-
Decrease in long-term financial assets			181	593
Decrease in long-term other receivables			1,327	1,299
Decrease in investments in associates			1,551	2,500
Receipt of other grants			-	32
Proceeds from disposal of property, plant and equipment			2	2
Proceeds from disposal of intangible assets			-	27,314
Receipt of government grants			31	-
Cash outflow from investing activities				
Increase in short-term financial assets			(15,012)	(24,374)
Increase in other receivables			(676)	(21,349)
Increase in long-term financial assets			(1,178)	(1,350)
Increase in long-term other receivables			(273)	(2,598)
Increase in investments in associates			(5,000)	(21,532)
Acquisition of property, plant and equipment			(47,855)	(22,616)
Acquisition of intangible assets			(86,144)	(111,466)
Acquisition of other assets			-	(548)
Net cash flows used in investing activities			(111,980)	(162,715)
Financing activities				
Cash inflow from financing activities				
Increase in short-term financial liabilities			86,140	74,631
Increase in long-term financial liabilities			26,513	9,771
Issuance of ordinary shares			6,714	19,100
Cash outflow from financing activities			(0.070)	(0.000)
Interest paid			(9,079)	(8,086)
Dividend paid			(102,451)	- (47.000)
Decrease in short-term financial liabilities			(25,625)	(17,030)
Decrease in current portion of long-term financial liabilitie	S		(32,814)	(98,022)
Decrease in lease liabilities			(1,625)	(1,432)
Stock issuance costs			(16)	(16)
Acquisition of treasury stock			(267,377)	(39,126)
Net cash flows used in financing activities			(319,620)	(60,210)
Net increase (decrease) in cash and cash equivalents			(655,994)	113,462
Effects of exchange rate changes on cash and cash equi	valente		9,184	8,316
Cash and cash equivalents at the beginning of the period			1,188,326	684,294
Cash and cash equivalents at the beginning of the period		₩	541,516	
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1. Corporate information

General information about Celltrion, Inc. (the "Company") and its subsidiaries (collectively referred to as the "Group") is as follows:

The Company was incorporated on February 27, 1991 and listed its common stock on the KOSDAQ Market of the Korea Exchange (KRX) on July 19, 2005. The Company changed its name on August 19, 2008 from Orchem Co., Ltd. to Celltrion, Inc. after the merger with Celltrion, Inc., which was established on February 26, 2002. The Company's stock, which was listed on the KOSDAQ Market, has been transferred to the KOSPI Market on February 9, 2018.

The primary business objective of the Company is to engage in development and production of various therapeutic proteins including oncology treatment drugs through the Company's bioengineering and mammalian cell-culture technology. The Company's head office is located in the Incheon Free Economic Zone.

The Company's shareholders and their shareholdings as of June 30, 2022 and December 31, 2021 are as follows:

	June 30, 2	2022	December 3	31, 2021		
	Number of	Number of Equity		Equity		
	shares	interest	shares	interest		
Celltrion Holdings Co., Ltd.	28,223,603	20.05%	27,670,200	20.06%		
Celltrion Skincure Co., Ltd.	2,976,330	2.11%	2,917,971	2.12%		
Ion Investment B.V.	6,931,650	4.92%	9,090,834	6.59%		
Others	99,695,779	70.83%	96,944,993	70.27%		
Treasury stock	2,940,489	2.09%	1,323,130	0.96%		
	140,767,851	100.00%	137,947,128	100.00%		

1.1 Consolidated subsidiaries

Consolidated subsidiaries as of June 30, 2022 and December 31, 2021 are as follows:

	Equity in	nterest			
O I ' ' ' '	June 30,	December	Country of		B
Subsidiaries	2022	31, 2021	domicile	Year-end	Primary business activity
Celltrion Pharm, Inc.	54.93%	54.93%	Korea	December	Manufacturing and sales of medicine
Celltrion Europe Limited	100.00%	100.00%	United Kingdom	December	Biopharmaceuticals clinical trial
Celltrion Global Safety Data Center	99.99%	99.99%	Philippines	December	Global drug safety data management
Celltrion USA	100%	100%	USA	December	Sales of chemical medicines
Celltrion Biopharma	100%	100%	Ireland	December	Biopharmaceuticals clinical trial
Celltrion Group Hongkong	70.00%	70.00%	Hong Kong	December	Biopharmaceuticals business in China
Shanghai Vcell Biotech(*)	70.00%	70.00%	China	December	Biopharmaceuticals R&D (including clinical trials)
Celltrion Asia Pacific PTE	100.00%	100.00%	Singapore	December	R&D and sales of chemical medicines

^(*) The subsidiary is wholly owned by Celltrion Group Hong Kong.

1.2 Summarized financial information of subsidiaries (before elimination of intercompany transactions)

The summarized statements of financial position of subsidiaries as of June 30, 2022 and December 31, 2021, and the related condensed statements of profit or loss and other comprehensive income of subsidiaries for the three-month and six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in thousands):

	June 30, 2022						
Subsidiary	Assets			Liabilities	Equity		
Celltrion Pharm, Inc.	₩	594,652,229	₩	252,699,910	₩	341,952,319	
Celltrion Europe Limited		2		-		2	
Celltrion Global Safety Data Center		2,444,133		342,960		2,101,173	
Celltrion USA		165,105,564		155,951,795		9,153,769	
Celltrion Biopharma		-		-		-	
Celltrion Group Hongkong		39,902,373		33,398,190		6,504,183	
Shanghai Vcell Biotech		1,511,317		38		1,511,279	
Celltrion Asia Pacific PTE		414,890,341		45,467,774		369,422,567	

	June 30, 2022										
	Thre	e-month periods e	ended	Six-month periods ended							
			Comprehensive			Comprehensive					
Subsidiary	Revenue	Profit (loss)	Income (loss)	Revenue	Profit (loss)	Income (loss)					
Celltrion	₩ 105,391,414	₩ 7,544,323	₩ 7,544,323	₩ 194,147,848	₩ 11,815,736	₩ 11,815,736					
Pharm, Inc.	** 100,001,414	1,044,020	7,044,020	** 154,147,040	11,010,700	11,010,700					
Celltrion											
Europe	-	-	-	-	-	-					
Limited											
Celltrion											
Global Safety	1,093,045	364,731	374,004	2,042,583	624,539	636,705					
Data Center											
Celltrion USA	24,058,999	7,155,755	7,352,022	150,405,453	1,562,220	1,614,631					
Celltrion	_	_	_	-	_	_					
Biopharma											
Celltrion											
Group	-	(530,384)	(361,740)	-	(1,182,503)	(867,416)					
HongKong											
Shanghai	_	75,087	88,547	-	52,691	93,604					
Vcell Biotech		. 0,00.	33,3		02,00	33,33					
Celltrion Asia Pacific PTE	43,364,159	10,324,135	33,631,233	72,993,748	8,333,377	38,680,923					
I dome I IL											

1.2 Summarized financial information of subsidiaries (before elimination of intercompany transactions) (cont'd)

	December 31, 2021								
Subsidiary		Assets		Liabilities	Equity				
Celltrion Pharm, Inc.	₩	637,884,365	₩	305,915,567	₩	331,968,798			
Celltrion Pharma USA, Inc.(*)		-		-		-			
Celltrion Europe Limited		2		-		2			
Celltrion Global Safety Data Center		2,123,610		659,142		1,464,468			
Celltrion USA		92,120,901		84,581,763		7,539,138			
Celltrion Biopharma		-		-		-			
Celltrion Group HongKong		35,719,238		28,567,591		7,151,647			
Vcell Healthcare(*)		-		-		-			
Shanghai Vcell Biotech		1,417,712		37		1,417,675			
Celltrion Asia Pacific PTE		371,554,346		40,812,701		330,741,645			

			June 3	30, 2021		
	Three	e-month periods	ended	Six-r	nonth periods er	nded
Subsidiary	Revenue	Profit (loss)	Comprehensive Income (loss)	Revenue	Profit (loss)	Comprehensive Income (loss)
Celltrion Pharm, Inc.	₩ 98,744,269	₩ 12,863,601	₩ 12,863,601	₩ 184,295,686	₩ 20,177,882	₩ 20,177,882
Celltrion Pharma USA, Inc.(*)	-	(6,825)	(6,899)	-	(34,160)	(33,318)
Celltrion Europe Limited	-	-	-	-	-	-
Celltrion Global Safety Data Center	891,925	246,679	241,807	1,725,582	476,988	511,345
Celltrion USA	7,711,583	(306,417)	(328,728)	9,406,745	(1,090,639)	(1,396,756)
Celltrion Biopharma	-	-	-	-	-	-
Celltrion Group HongKong	-	(260,077)	(296,982)	-	(393,908)	20,777
Vcell Healthcare(*)	-	(91)	(25,572)	-	(27,702)	279,895
Shanghai Vcell Biotech	-	(152,982)	(132,340)	-	(208,453)	(138,077)
Celltrion Asia Pacific PTE	11,297,543	(4,051,369)	(5,057,344)	23,510,882	(7,289,273)	4,420,565

^(*) The Profit (loss) is accrued for the year ended December 31, 2021 before being excluded from the consolidated subsidiaries

2. Summary of significant accounting policies

2.1 Basis of preparation

The interim condensed consolidated financial statements as of and for the six months ended June 30, 2022 have been prepared in accordance with International Financial Reporting Standards as adopted by the Republic of Korea ("KIFRS") 1034 *Interim Financial Reporting*, effective as of June 30, 2022.

2.1.1 Application of amended standards and interpretations

Significant accounting policies applied to prepare the interim condensed consolidated financial statements are the same as those applied to prepare year-end consolidated financial statements, except for the standards that applies as of January 1, 2022 as described below. The Group has not early adopted any standards, interpretations or amendments that have been issued but are not yet effective. Several other amendments and interpretations apply for the first time in 2022, but do not have an impact on the interim condensed consolidated financial statements of the Group.

Amendments to KIFRS 1037 Provisions, Contingent Liabilities and Contingent Assets – Onerous Contracts – Cost of Fulfilling a Contract

An onerous contract is a contract under which the unavoidable costs (i.e., the costs that the Group cannot avoid because it has the contract) of meeting the obligations under the contract exceed the economic benefits expected to be received under it. The amendments specify that when assessing whether a contract is onerous or loss-making, an entity needs to include costs that relate directly to a contract to provide goods or services include both incremental costs (e.g., the costs of direct labour and materials) and an allocation of costs directly related to contract activities (e.g., depreciation of equipment used to fulfil the contract as well as costs of contract management and supervision). General and administrative costs do not relate directly to a contract and are excluded unless they are explicitly chargeable to the counterparty under the contract.

The Group does not own any onerous contracts falls under the scope of such amendments. The amendments are not expected to have an impact on the Group's interim condensed consolidated financial statements

Amendments to KIFRS 1103 Business Combinations - Reference to the Conceptual Framework

The amendments are intended to replace *Preparation and Presentation of Financial Statements* with a reference to *Conceptual Framework for Financial Reporting* issued in March 2018 without significantly changing its requirements.

An exception was added to the recognition principle of KIFRS 1103 *Business Combinations* to avoid the issue of potential 'day 2' gains or losses arising for liabilities and contingent liabilities that would be within the scope of KIFRS 1037 *Provisions, Contingent Liabilities and Contingent Assets* or KIFRS 2121 *Levies.* The exception requires entities to apply the criteria in KIFRS 1037 *Provisions, Contingent Liabilities and Contingent Assets* or KIFRS 2121 *Levies,* instead of the *Conceptual Framework*, to determine whether a present obligation exists at the acquisition date.

The amendment also added new paragraphs to KIFRS 1103 *Business Combinations* to clarify that contingent assets do not qualify for recognition at the acquisition date.

The Group does not own any provisions, contingent assets, liabilities or contingent liabilities falls under the scope of such amendments. The amendments are not expected to have an impact on the Group's interim condensed consolidated financial statements

2.1. Basis of preparation, continued

Amendments to KIFRS 1016 Property, Plant and Equipment - Proceeds before Intended Use

The amendment prohibits entities from deducting from the cost of an item of property, plant and equipment, any proceeds from selling items produced while bringing that asset to the location and condition necessary for it to be capable of operating in the manner intended by management. Instead, an entity recognizes the proceeds from selling such items, and the cost of producing those items, in profit or loss.

The amendments have no impact on the Group's interim condensed consolidated financial statements as the Group has no sales of goods produced from property, plant and equipment made available for use on or after the start date of the earliest period presented.

KIFRS 1101 First-time Adoption of Korean International Financial Reporting Standards – Subsidiary as a First-time Adopter

The amendments allow a subsidiary that elects to apply paragraph D16(1) of KIFRS 1101 to measure cumulative translation difference using the amount reported by the parent, based on the parent's date of transition to KIFRS. This amendment is also applied to an associate or joint venture that elects to apply paragraph D16(1) of KIFRS 1101.

The amendments have no impact on the Group's interim condensed consolidated financial statements as the Group's subsidiaries are not first-time adopter.

KIFRS 1109 Financial Instruments – Fees in the '10 per cent' Test for Derecognition of Financial Liabilities

The amendments clarify the fees that an entity includes when assessing whether the terms of a new or modified financial liability are substantially different from the terms of the original financial liabilities. These fees only include fees paid or received between the borrower and lender, including fees paid or received by either the borrower or lender on the other's behalf. There is no similar amendment proposed for KIFRS 1039 *Financial Instruments: Recognition and Measurement*.

The amendments have no impact on the Group's interim condensed consolidated financial statements as there were no changes in the Group's financial instruments.

KIFRS 1041 Agriculture - Taxation in fair value measurement

The amendment removes the requirement in paragraph 22 of KIFRS 1041 that entities exclude cash flows for taxation when measuring the fair value of assets within the scope of KIFRS 1041.

The amendments have no impact on the Group's interim condensed consolidated financial statements as the Group does not own any assets in the scope of KIFRS 1041 as of June 30, 2022.

2.2 Segment reporting

Management performs the allocation of resources and assessment of performance by each operating segment. The operating segment of the Group is recognized based on the method of organizing and generating income. As of June 30, 2022, the Group's segment consists of manufacturing and sales of biopharmaceutical medicines, chemical medicines and others.

Business objective of biopharmaceutical medicines segment is to develop, manufacture and sell various therapeutic proteins including oncology treatment drugs by bioengineering and mammalian cell-culture technology. Business objective of chemical medicines segment is to develop, manufacture and sell chemical medicines.

The Group assesses the performance of each operating segment based on operating profit, and there is no difference with the amounts reported on the consolidated statement of profit or loss, except for intergroup transactions.

2.2.1 Segment Information

The following table summarizes the results of financial performance of the Group by operating segments for the six-month periods ended June 30, 2022 and 2021 (Korean won in thousands):

						June	30,	2022					
		Biopharma- ceutical Chemical medicines medicines				Others		Total	Adjustment of intergroup transactions			Amount after adjustment	
Sales	₩	1,036,576,570	₩	417,547,049	₩	2,042,583	₩	1,456,166,202	₩	(309,502,642)	₩	1,146,663,560	
Depreciation		24,289,580		8,228,020		146,250		32,663,850		(27,726)		32,636,124	
Amortization		62,697,699		16,365,417		-		79,063,116		(24,852)		79,038,264	
Operating profit		337,660,480		30,520,872		580,513		368,761,865		(27,514,155)		341,247,710	
Non-current assets (*)		1,982,965,199		542,947,840		384,930		2,526,297,969		(5,817,546)		2,520,480,423	

						June 30	J, 2021									
		Biopharma- ceutical medicines		Chemical medicines		Others	Total			Adjustment of intergroup transactions	Amount after adjustment					
Sales	₩	730,817,423	₩	217,213,313	₩	1,725,582	₩	949,756,318	₩	(61,018,484)	₩	888,737,834				
Depreciation		22,517,710		7,421,243		137,305		30,076,258		52,971		30,129,229				
Amortization		59,955,515		13,616,250		-		73,571,765		34,574		73,606,339				
Operating profit		339,764,430		17,843,301		458,690		358,066,421		15,612,362		373,678,783				
Non-current assets (*)		1,872,171,703		544,480,106		635,345		2,417,287,154		(8,213,830)		2,409,073,324				

luna 20, 2021

(*) The amount is the sum of property, plant and equipment, intangible assets and investment properties.

2.2.2 Regional Sales - Categorized by Location

Details of location categorized regional sales of the Group are as follows: (Korean won in thousands):

				J	une 30, 2022					
							Adjustment of intergroup	Amount after		
	Domestic		Americas		Asia		transactions	adjustment		
Sales	₩ 1,230,724,418	₩	150,405,453	₩	75,036,331	₩	(309,502,642)	₩ 1,146,663,560		
Intergroup Sales	(276,878,769)		-		(32,623,873)		309,502,642	-		
Net Sales	953,845,649		150,405,453		42,412,458		-	1,146,663,560		

2.2 Segment reporting (cont'd)

2.2.2 Regional Sales - Categorized by Location, continued

					Ju	ne 30, 2021					
						Adjustment of intergroup		Amount after			
		Domestic		Americas		Asia	t	ransactions	adjustment		
Sales	₩	915,113,109	₩	9,406,745	₩	25,236,464	₩	(61,018,484)	₩	888,737,834	
Intergroup Sales		(60,609,435)		-		(409,049)		61,018,484		-	
Net Sales		854,503,674		9,406,745		24,827,415		-		888,737,834	

2.2.3 Regional Non-Current Asset(*)

Details of location categorized non-current assets of the Group are as follows: (Korean won in thousands):

		June 30, 2022		June 30, 2021
Domestic	₩	2,203,998,106	₩	2,107,158,084
Americas		193,573		256,881
Asia		322,106,290		309,810,275
Adjustment of intergroup transactions		(5,817,546)		(8,151,915)
Total		2,520,480,423		2,409,073,325

^(*) The amount is the sum of property, plant and equipment, intangible assets and investment properties.

2.3 Accounting policy

Significant accounting policies and calculation methods applied to prepare the interim condensed consolidated financial statements are the same as those applied to prepare the previous year-end consolidated financial statements, except for the adjustments made due to changes caused by the application of the enacted amendments explained in Note 2.1.1 and described below.

2.3.1 Income tax

Income tax expense for the interim period is recognized based on management's best estimate of the weighted average annual income tax rate expected for the full financial year. The estimated average annual effective tax rate is applied to the pre-tax income of the interim period.

3. Critical accounting estimates and assumptions

The Group makes estimates and assumptions concerning the future. The estimates and assumptions are continuously evaluated with consideration of factors such as events reasonably predictable in the foreseeable future within the present circumstance according to historical experience. The resulting accounting estimates will, by definition, seldom equal the related actual results.

Significant accounting estimates and assumptions adopted in the preparation of the interim condensed consolidated financial statements, except for the estimating method used in calculating income tax expenses, agree with those adopted in the preparation of the prior year consolidated financial statements.

4. Fair value

There is no significant change in the business and economic environments that affects the fair value of financial assets and liabilities of the Group for the six-month periods ended June 30, 2022.

4.1 Fair value of financial instruments by category

The carrying amount and fair value of financial instruments by category as of June 30, 2022 and December 31, 2021 are as follows (Korean won in thousands):

		June 3	0, 20)22	December 31, 2021					
	C	arrying amount		Fair value	С	arrying amount		Fair value		
Financial assets										
Cash and cash equivalents	₩	541,516,082	₩	541,516,082	₩	1,188,325,852	₩	1,188,325,852		
Short-term financial instruments		38,290,805		38,290,805		31,575,000		31,575,000		
Financial assets at fair value through other comprehensive										
income		14,115,550		14,115,550		14,971,689		14,971,689		
Financial assets at fair value										
through profit or loss		8,887,861		8,887,861		8,760,978		8,760,978		
Trade receivables		1,482,718,009		1,482,718,009		1,101,089,342		1,101,089,342		
Other receivables		62,334,012		62,299,707		75,784,396		75,755,147		
Long-term financial instruments		-		-		702,100		702,100		
	₩	2,147,862,319	₩	2,147,828,014	₩	2,421,209,357	₩	2,421,180,108		
Financial liabilities		_						_		
Trade payables	₩	86,995,966	₩	86,995,966	₩	80,723,080	₩	80,723,080		
Borrowings		794,075,152		793,574,023		736,971,511		736,835,155		
Lease liabilities		6,091,062		6,091,062		7,384,189		7,384,189		
Other payables		300,321,468		300,321,468		242,403,726		242,403,726		
	₩	1,187,483,648	₩	1,186,982,519	₩	1,067,482,506	₩	1,067,346,150		

4.2 Fair value hierarchy

Assets measured at fair value or for which the fair value is disclosed are categorized within the fair value hierarchy, and the defined levels are as follows:

- > Level 1: Quoted prices (unadjusted) in active markets for identical assets or liabilities.
- Level 2: Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly (that is, as prices) or indirectly (that is, derived from prices).
- Level 3: Inputs for the assets or liabilities that are not based on observable market data (that is, unobservable inputs).

Fair value hierarchy classifications of financial instruments that are measured at fair value or its fair value is disclosed as of June 30, 2022 and December 31, 2021 are as follows (Korean won in thousands):

				June 3	0, 20	22					
		Level 1		Level 2		Level 3		Total			
Financial instruments measured at fair value: Financial assets at fair value through other	₩	12 240 946	₩		₩	1 965 724	₩	14 115 550			
comprehensive income Financial asset at fair value	VV	12,249,816	VV	-	VV	1,865,734	VV	14,115,550			
through profit or loss Financial instruments		-		-		8,887,861		8,887,861			
not measured at fair value: Borrowings		-		793,574,023		-		793,574,023			
		December 31, 2021									
		Level 1		Level 2		Level 3		Total			
Financial instruments measured at fair value: Financial assets											
at fair value through other comprehensive income	₩	13,081,695	₩	-	₩	1,889,994	₩	14,971,689			
Financial asset at fair value through profit or loss		-		-		8,760,978		8,760,978			
Financial instruments not measured at fair value:											
Borrowings		-		736,835,155		-		736,835,155			

5. Financial assets

Details of financial assets as of June 30, 2022 and December 31, 2021 are as follows (Korean won in thousands):

	,	June 30, 2021	De	ecember 31, 2021
Current assets:		_		
Short-term financial instruments (*)	₩	38,290,805	₩	31,575,000
Non-current assets:		-		702,100
Long-term financial instruments		14,115,550		14,971,689
Financial assets at fair value through other comprehensive income		8,887,861		8,760,978
Financial assets at fair value through profit or loss		23,003,411		24,434,767
	₩	61,294,216	₩	56,009,767

^(*) The Group committed to provide time deposit of $\mbox{$\mathbb{W}$}13,516$ million (December 31, 2021: $\mbox{$\mathbb{W}$}$ 13,516 million) as collateral to Korea Securities Finance Corporation regarding Employee Stock Ownership Association. The use of the time deposit in foreign currency is restricted (see Note 21(2)).

6. Trade receivables

Details of trade receivables as of June 30, 2022 and December 31, 2021 are as follows (Korean won in thousands):

	June 30, 2022							
	Trade	Allowance for						
	receivables	doubtful accounts	Book value					
Current trade receivables	₩ 1,484,064,633	₩ (1,346,624)	₩ 1,482,718,009					
Non-current trade receivables	300,261	(300,261)	-					
	₩ 1,484,364,894	₩ (1,646,885)	₩ 1,482,718,009					
		December 31, 202	1					
	Trade	Allowance for						
	***********	daulatiil aaaaiinta						
	receivables	doubtful accounts	Book value					
	receivables	doubtiul accounts	Book value					
Current trade receivables	₩ 1,102,448,186		Book value ₩ 1,101,089,342					
Current trade receivables Non-current trade receivables								
	₩ 1,102,448,186	₩ (1,358,844)						

7. Investment in associates

Details of investments in associates of the Group as of June 30, 2022 are as follows:

Associates	Equity interest	Domicile	Year-end
2014 Growth Ladder-IMM Venture Fund	20.00%	Republic of Korea	December
Mirae Asset Celltrion New Growth Investment Association No.1	50.00%	Republic of Korea	December
CTB-Biomedics	50.00%	Republic of Korea	December
Iksuda Therapeutics Limited (*1)	17.79%	United Kingdom	December
Mirae Asset Celltrion Bio Ecosystem Growth Fund (*2)	38.46%	Republic of Korea	December
Aju-Solasta Life Science 4.0 Fund (*3)	44.25%	USA	December

^(*1) Newly acquired for the year ended December 31, 2021 and added to the Group's associates as it was assessed that the Group could exert significant influence upon acquisition (see Note 21(10)).

Changes in investments in associates and a joint venture under the equity method for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in thousands):

		2022											
Associates and joint ventures		January 1	А	acquisitions		Disposals	p	Share of rofit or loss		Other nprehensive come (loss)		June 30	
2014 Growth Ladder- IMM Venture Fund Mirae Asset Celltrion New Growth Investment	₩	801,213	₩	-	₩	(51,200)	₩	(80,453)	₩	-	₩	669,560	
Association No.1		52,299,740		_		(1,500,000)		14,023,972		-		64,823,712	
CTB-Biomedics Iksuda Therapeutics		70,185		-		=		(2,748)		-		67,437	
Limited Mirae Asset Celltrion Bio Ecosystem		6,673,615		-		-		(1,588,393)		17,594		5,102,816	
Growth Fund Aju-Solasta Life		4,996,708		-		-		(284,518)		-		4,712,190	
Science 4.0 Fund		-		5,000,000		-		(152,068)		-		4,847,932	
	₩	64,841,461	₩	5,000,000	₩	(1,551,200)	₩	11,915,792	₩	17,594	₩	80,223,647	
						202	21						
Associates and joint ventures		January 1	A	acquisitions		Disposals	р	Share of rofit or loss		Other nprehensive come (loss)		June 30	
Boston Incubation Investment Association 2014 Growth Ladder-	₩	82,398	₩	-	₩	-	₩	(979)	₩	-	₩	81,419	
IMM Venture Fund Mirae Asset Celltrion New Growth Investment		1,766,569		-		-		220,318		(115,957)		1,870,930	
Association No.1		46,101,119		12,500,000		(2,500,000)		(2,706,055)		-		53,395,064	
CTB-Biomedics Iksuda Therapeutics		76,488		-		-		(3,235)		-		73,253	
Limited				9,031,863								9,031,863	
	₩	48,026,574	₩	21,531,863	₩	(2,500,000)	₩	(2,489,951)	₩	(115,957)	₩	64,452,529	

^(*2) Newly acquired for the year ended December 31, 2021 and added to the Group's associates (see Note 21(5)).

^(*3) Newly acquired for the year ended December 31, 2021 and added to the Group's associates (see Note 21(5) and 22(6)).

7. Investment in associates (cont'd)

Summarized financial information of associates and a joint venture as of June 30, 2022 and December 31, 2021, and for the three-month and six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in thousands):

	June 30, 2022								
Associates	Current asset	Non-current assets	Current liabilities	Non-Current liabilities					
2014 Growth Ladder-IMM Venture Fund	₩ 14,677	₩ 3,333,123	₩ -	₩ -					
Mirae Asset Celltrion New Growth Investment Association No.1	5,848,901	124,319,616	521,094	-					
CTB-Biomedics	132,737	2,137	-	-					
Iksuda Therapeutics Limited	9,991,439	1,522,971	2,195,347	14,185,600					
Mirae Asset Celltrion Bio Ecosystem Growth Fund	5,252,003	6,999,691	-	-					
Aju-Solasta Life Science 4.0 Fund	11,312,354	-	356,027	-					

	June 30, 2022											
		For the t	hree-m	onth perio	ods en	ded		For the	six r	nonth period	ls en	ded
Associates		fit (loss) ne period	inco	Total prehensive ome (loss) the period		Sales		rofit (loss)	Total comprehensive income (loss) for the period			
2014 Growth Ladder- IMM Venture Fund Mirae Asset Celltrion New Growth Investment	₩	282	₩	(931)	₩	(931)	₩	282	₩	(402,264)	₩	(402,264)
Association No.1 CTB-Biomedics	30	0,994,348 -	28	,374,517 (949)	2	28,374,517 (949)	(33,290,866	2	28,047,943 (5,494)	:	28,047,943 (5,494)
Iksuda Therapeutics Limited Mirae Asset Celltrion		-	(4,0	605,002)	(4	4,551,752)		-	(8,928,581)	((8,829,682)
Bio Ecosystem Growth Fund Aju-Solasta Life Science 4.0		10,927	(:	381,929)		(381,929)		43,110		(739,746)		(739,746)
Fund		12,354	(;	343,673)		(343,673)		12,354		(343,673)		(343,673)

7. Investment in associates (cont'd)

	December 31, 2021								
Associates	Current assets	Non-current assets	Current liabilities	Non-Current liabilities					
Boston Incubation									
Investment Association	₩ -	₩ -	₩ -	₩ -					
2014 Growth Ladder-IMM Venture Fund Mirae Asset Celltrion	172,933	3,833,130	-	-					
New GrowthInvestment Association No.1	13,351,333	91,497,040	248,893	-					
CTB-Biomedics	138,231	2,137	-	-					
Iksuda Therapeutics Limited Boston Incubation	18,630,485	1,839,533	2,023,227	14,483,645					
Investment Association	12,991,440	-	-	-					

	June 30, 2021												
	For the	three-	months peri	ods e	nded	For the six -month periods ended							
Associates	Sales		ofit (loss) for he period	inc	Total mprehensive ome (loss) for the period		Sales		ofit (loss) the period	Total comprehensive income (loss) for the period			
Boston Incubation Investment Association 2014 Growth Ladder-IMM	₩ 84	₩	(2,907)	₩	(2,907)	₩	167	₩	(3,919)	₩	(3,919)		
Venture Fund Mirae Asset Celltrion	1,102,35		1,100,443		1,100,443		1,102,463		1,101,591		521,809		
New GrowthInvestment Association No.1 CTB-Biomedics	(1,104,246) ((4,390,702)	(4,390,702)		1,151,833	(5,412,110)	(5	5,412,110)		
Iksuda Therapeutics Limited		· · ((3,257) (1,718,726)	((3,257) (1,718,726)		-	(!	(6,469) 5,491,221)	(5	(6,469) 5,491,221)		

8. Property, plant and equipment

Changes in the carrying amounts of property, plant and equipment for the six month periods ended June 30, 2022 and 2021 are as follows (Korean won in thousands):

Land January 1 Acquisitions Transfers Disposals Depreciation Others June 30 Accumulated depreciation depreciation Land W 301,819,130 W - W - W - W - W - W 301,819,130 W 301,8									202	2							
Buildings 267,882,414 401,418 5,219,368 - 262,261,628 (95,342,245) Buildings- right-of-use assets (*) 5,639,448 9,417 1,141,963 18,389 4,506,457 (4,336,276) Facilities 158,324,815 471,111 - 330 13,098,223 - 145,697,373 (261,138,896) Structures 8,492,738 125,038 381,785 1,977 8,237,968 (7,004,260) Machinery 142,892,032 5,396,315 1,771,897 39,985 11,890,255 - 138,130,004 (112,828,547) Vehicles 286,529 27,300 - 1 49,213 - 264,615 (535,607) Vehicles 3286,529 27,300 - 85,961 316,956 1,862 1,390,299 (1,090,385) Furniture 12,344,516 1,028,735 230,430 24,141 1,913,083 6,010 11,672,467 (22,998,863)			January 1	A	cquisitions		Transfers		isposals	D	epreciation		Others		June 30		
Buildings- right-of-use assets (*) 5,639,448 9,417 1,141,963 18,389 4,506,457 (4,336,276) Facilities 158,324,815 471,111 - 330 13,098,223 - 145,697,373 (261,138,896) Structures 8,492,738 125,038 381,785 1,977 8,237,968 (7,004,260) Machinery 142,892,032 5,396,315 1,771,897 39,985 11,890,255 - 138,130,004 (112,828,547) Vehicles 286,529 27,300 - 1 49,213 - 264,615 (535,607) Vehicles right-of-use assets (*) 1,462,368 328,986 - 85,961 316,956 1,862 1,390,299 (1,090,385) Furniture 12,344,516 1,028,735 230,430 24,141 1,913,083 6,010 11,672,467 (22,998,863)	Land	₩	301,819,130	₩	-	₩	-	₩	-	₩	-	₩	-	₩	301,819,130	₩	-
assets (*) 5,639,448 - - 9,417 1,141,963 18,389 4,506,457 (4,336,276) Facilities 158,324,815 471,111 - 330 13,098,223 - 145,697,373 (261,138,896) Structures 8,492,738 125,038 - - 381,785 1,977 8,237,968 (7,004,260) Machinery 142,892,032 5,396,315 1,771,897 39,985 11,890,255 - 138,130,004 (112,828,547) Vehicles 286,529 27,300 - 1 49,213 - 264,615 (535,607) Vehicles-right-of-use assets (*) 328,986 - 85,961 316,956 1,862 1,390,299 (1,090,385) Furniture 12,344,516 1,028,735 230,430 24,141 1,913,083 6,010 11,672,467 (22,998,863)	Buildings-		267,882,414		-		-		401,418		5,219,368		-		262,261,628	(95,	342,245)
Structures 8,492,738 125,038 - - 381,785 1,977 8,237,968 (7,004,260) Machinery 142,892,032 5,396,315 1,771,897 39,985 11,890,255 - 138,130,004 (112,828,547) Vehicles 286,529 27,300 - 1 49,213 - 264,615 (535,607) Vehicles-right-of-use assets (*) 1,462,368 328,986 - 85,961 316,956 1,862 1,390,299 (1,090,385) Furniture 12,344,516 1,028,735 230,430 24,141 1,913,083 6,010 11,672,467 (22,998,863)	assets (*)		5,639,448		-		-		9,417		1,141,963		18,389		4,506,457	(4,	336,276)
Machinery 142,892,032 5,396,315 1,771,897 39,985 11,890,255 - 138,130,004 (112,828,547) Vehicles 286,529 27,300 - 1 49,213 - 264,615 (535,607) Vehicles-right-of-use assets (*) 1,462,368 328,986 - 85,961 316,956 1,862 1,390,299 (1,090,385) Furniture 12,344,516 1,028,735 230,430 24,141 1,913,083 6,010 11,672,467 (22,998,863)	Facilities		158,324,815		471,111		-		330		13,098,223		-		145,697,373	(261,	138,896)
Vehicles 286,529 27,300 - 1 49,213 - 264,615 (535,607) Vehicles-right-of-use assets (*) 1,462,368 328,986 - 85,961 316,956 1,862 1,390,299 (1,090,385) Furniture 12,344,516 1,028,735 230,430 24,141 1,913,083 6,010 11,672,467 (22,998,863)	Structures		8,492,738		125,038		-		-		381,785		1,977		8,237,968	(7,	004,260)
Vehicles- right-of-use assets (*) 1,462,368 328,986 - 85,961 316,956 1,862 1,390,299 (1,090,385) Furniture 12,344,516 1,028,735 230,430 24,141 1,913,083 6,010 11,672,467 (22,998,863)	Machinery		142,892,032		5,396,315		1,771,897		39,985		11,890,255		-		138,130,004	(112,	828,547)
assets (*) 1,462,368 328,986 - 85,961 316,956 1,862 1,390,299 (1,090,385) Furniture 12,344,516 1,028,735 230,430 24,141 1,913,083 6,010 11,672,467 (22,998,863)	Vehicles-		286,529		27,300		-		1		49,213		-		264,615	(535,607)
			1,462,368		328,986		-		85,961		316,956		1,862		1,390,299	(1,	090,385)
right-of-use	Furniture-		12,344,516		1,028,735		230,430		24,141		1,913,083		6,010		11,672,467	(22,	998,863)
assets (*) 2,126 1,105 1,106 85 Construction-in-	assets (*)		2,126		-		-		1,105		1,106		85		-		-
progress 51,265,648 50,671,031 (2,126,827) 99,809,852 -			51,265,648		50,671,031		(2,126,827)		-		-				99,809,852		
W 950,411,764 W 58,048,516 W (124,500) W 562,358 W 34,011,952 W 28,323 W 973,789,793 W (505,275,079)		₩	950,411,764	₩	58,048,516	₩	(124,500)	₩	562,358	₩	34,011,952	₩	28,323	₩	973,789,793	₩ (505,	275,079)

								202	21							
		January 1	А	cquisitions	Tran	sfers	Di	sposals	De	epreciation		others		June 30	Accum depre	nulated ciation
Land	₩	301,762,599	₩	-	₩	56,531	₩	-	₩	-	₩	-	₩	301,819,130	₩	-
Buildings Buildings- right-of-use		277,421,165		1,061,585		-		-		5,228,319		-		273,254,431	(85,	114,575)
assets (*)		3,844,547		1,305,589		-		26,761		985,849		23,119		4,160,645	(3,4	105,393)
Facilities		182,202,120		64,298		43,200		7,358		12,981,215		-		169,321,045	(235,0	36,134)
Structures		9,241,175		4,200		-		-		378,808		-		8,866,567	(6,2	243,613)
Machinery		113,569,612		4,444,578	17	,701,745		61,427		9,749,145		-		125,905,363	(89,7	770,842)
Vehicles Vehicles- right-of-use		307,085		51,085		-		-		47,602		-		310,568	(4	144,746)
assets (*)		1,475,836		716,200		-		102,315		329,201		-		1,760,520	(9	935,933)
Furniture Furniture- right-of-use		11,588,146		1,407,848		74,313		6,288		1,654,851		6,926		11,416,094	(20,3	345,136)
assets (*) Construction-in-		5,854		-		-		-		2,005		203		4,052		(8,106)
progress		44,862,121		16,621,176	(18,	099,439)				_		-		43,383,858		
	₩	946,280,260	₩	25,676,559	₩ (223,650)	₩	204,149	₩	31,356,995	₩	30,248	₩	940,202,273	₩ (441,3	304,478)

(*) The Group elected to apply the recognition exemption for short-term leases and leases of low-value assets. For the six months ended June 30, 2022, the Group recognized lease payments of $\mbox{$\mathbb{W}$}349$ million (June 30, 2021: $\mbox{$\mathbb{W}$}295$ million) on short-term leases and lease payments of $\mbox{$\mathbb{W}$}143$ million (June 30, 2021: $\mbox{$\mathbb{W}$}156$ million) on leases of low-value assets as expenses. In addition, for the six months ended June 30, 2022, cash payments for short-term leases amounted to $\mbox{$\mathbb{W}$}348$ million (June 30, 2021: $\mbox{$\mathbb{W}$}298$ million) and cash payments for leases of low-value assets amounted to $\mbox{$\mathbb{W}$}140$ million (June 30, 2021: $\mbox{$\mathbb{W}$}169$ million). In addition, in relation to the sublease of the right-of-use asset of the above lessee, the revenue from lease payments recognized for the six-month periods ended June 30, 2022 is $\mbox{$\mathbb{W}$}3$ million (June 30, 2021: nil).

8. Property, plant and equipment (cont'd)

Depreciation of property, plant and equipment for the three-month and six-month periods ended June 30, 2022 and 2021 are allocated as follows (Korean won in thousands):

		June 3	0, 20	22		June 3	0, 20	0, 2021		
		or the three- onth periods ended		For the six- onth periods ended	-	or the three- onth periods ended	-	For the six- onth periods ended		
Cost of sales Selling and administrative	₩	14,571,842	₩	28,986,784	₩	13,481,131	₩	26,707,331		
expenses		1,804,693		3,649,340		1,678,092		3,421,898		
Development expenses	740,756			1,375,828		662,937		1,227,766		
	₩	17,117,291	₩	34,011,952	₩	15,822,160	₩	31,356,995		

The carrying amounts of property, plant and equipment provided as collateral as of June 30, 2022 and December 31, 2021 are as follows (Korean won in thousands):

Collateral (*)	June 30, 2021	December 31, 2021
Land	₩ 294,401,553	₩ 294,401,553
Buildings	250,043,497	255,386,039
Facilities	134,653,986	146,872,059
Machinery	75,868,969	80,030,663

(*) Property, plant and equipment are provided as collateral for borrowings and payment guarantees.

Details of borrowings and payment guarantees for which property, plant and equipment are provided as collateral as of June 30, 2022 and December 31, 2021 are as follows (Korean won in thousands):

	June 30, 2022					
Creditor		Borrowing amount	C	ollateral value		
			. — —			
Shinhan Bank	₩	227,114,038	₩	279,784,000		
Woori Bank		30,000,000		57,300,000		
Korea Development Bank		234,000,000		277,000,000		
Export-Import Bank of Korea		28,725,580		89,300,000		
		Decembe	er 31, :	2021		
		Borrowing				
Creditor		amount	C	ollateral value		
Shinhan Bank	₩	209,978,708	₩	284,184,000		
Woori Bank		30,000,000		59,300,000		
Korea Development Bank		224,691,636		331,000,000		
Nonghyup Bank		1,875,000		18,000,000		
Export-Import Bank of Korea		12,933,280		89,300,000		

As of June 30, 2022, the Group's tangible assets are covered by package insurances at Hyundai Marine&Fire Insurance Group. Insurance benefits of tangible assets provided as collateral for borrowings and others include \text{\psi}171,884 million in Shinhan Bank (December 31, 2021: \text{\psi}173,893 million), \text{\psi}284,000 million in Korea Development Bank (December 31, 2021: \text{\psi}284,000 million), \text{\psi}18,000 million in Nonghyup Bank (December 31, 2021: \text{\psi}18,000 million), \text{\psi}12,000 in Woori Bank (December 31, 2021: \text{\psi}11,000 million) as the establishment of the right of pledge.

9. Intangible assets

Changes in the carrying amounts of intangible assets for the six months ended June 30, 2022 and 2021, are as follows (Korean won in thousands):

						2022				
		January 1	Internally generated Acc	quisitions	Transfers A	mortization	Others	June 30	Accumulated amortization	Accumulated impairment loss
Goodwill	₩	33,010,683 ₩	- ₩	- ₩	- ₩	- ₩	2,820,203 ₩	35,830,886 ₩	- 1	₹ (2,013,066)
Software		12,179,146	-	144,389	124,500	2,250,699	-	10,197,336	(18,808,642)	-
Intellectual property Development		2,082,827	-	-		1,249,696	-	833,131	(38,166,870)	-
costs		1,172,041,130	106,231,618	-	-	58,665,199	2,617,483	1,222,225,032	(653,188,036)	(59,790,194)
Other intangible assets		261,290,466	-	-	396,544	16,982,312	21,796,465	266,501,163	(69,720,436)	(5,921,424)
Facility usage rights		10,966,722		136,360	-	-	-	11,103,082		
	₩	1.491.570.974 ₩	106.231.618 ₩	280.749 ₩	521.044 ₩	79.147.906 ₩	27.234.151 ₩	1.546.690.630 ₩	(779.883.984)	∀ (67.724.684)

										202	21				
		January 1		nternally jenerated	Ac	quisitions	Tı	ransfers	Disp	osals A	Amortization	Others	June 30	Accumulated amortization	Accumulated impairment loss
Goodwill	₩	62,923,540	₩		₩	-	₩ (33,329,148)	₩	- ₩	- ₩	1,958,923 ₩	31,553,315 ₩	-	₩ (2,013,066)
Software Intellectual		13,759,446				1,431,022		223,650		1	2,108,419	-	13,305,698	(14,340,221)	-
property Development		4,582,218				-		-		-	1,249,696	-	3,332,522	(35,667,478)	-
costs Other intangible	1	1,066,253,785		128,536,20		-		-		-	55,479,653	853,360	1,140,163,693	(535,311,735)	(6,529,988)
assets Facility usage		245,702,875				1,046,900		32,443,041	3,6	55,636	14,887,339	8,899,261	269,549,102	(30,369,611)	(1,948,667)
rights		10,966,722				-				-	-	-	10,966,722	-	
	₩	1,404,188,586	₩	128,536,20	₩	2,477,922	₩	(662,457)	₩ 3,6	55,637 ₩	73,725,107 ₩	11,711,544 ₩	1,468,871,052 ₩	(615,689,045)	₩ (10,491,721)

The details of significant intangible assets as of June 30, 2022 are as follows:

	Description	Residual useful lives
Software	ERP and other operating support software	1 ~ 5 years
Intellectual property	Rights to manufacture biomedicine and antigen	1 years
	and usage of mass production technology	
Other intangible assets	Patents, industrial property rights, licenses	1 ~ 10 years
Facility usage rights	Condominium, golf club membership	Indefinite

Details of development costs as of June 30, 2022 are as follows (Korean won in thousands):

Classification	Purpose	Status		Phase I (*5)		Phase III		Regulatory approval		Book value before mpairment loss		ccumulated mpairment losses		Book value	Remaining useful lives (*6)
	Treatment for autoimmune	Under development Under	₩	71,211,413	₩	321,896,230	₩	25,543,560	₩	418,651,203	₩	-	₩	418,651,203	-
	diseases (*1)	amortization Under		92,861,642		129,676,716		44,384,576		266,922,934		-		266,922,934	11 years
Bio- Pharmaceuticals	Cancer treatment (*2)	development Under		(30,384)		4,593,848		1,269,357		5,832,821		-		5,832,821	-
medicines	, ,	amortization Under		66,844,861		334,166,164		74,655,746		475,666,771		-		475,666,771	8 years
	Other Treatment (*3)	development Under		-		50,397,078		2,317,296		52,714,374		(6,471,307)		46,243,067	-
	rreatment (3)	amortization Under		-		34,333,490		2,416,776		36,750,266		(36,750,266)		-	-
Chemical medicine	es (*4)	development Under		3,121,285		4,074,653		1,224,585		8,420,523		(1,694,080)		6,726,443	-
		amortization		6,751,987				10,304,347		17,056,334		(14,874,541)		2,181,793	8 years
			₩	240,760,804	₩	879,138,179	₩	164,654,398	₩	1,170,263,972	₩	(59,790,194)	₩	1,222,225,032	

9. Intangible assets (cont'd)

- (*1) Remsima and Yuflyma etc. are monoclonal antibody (mAb) biopharmaceuticals, which is a treatment for autoimmune diseases.
- (*2) Herzuma and Truxima etc. are monoclonal antibody (mAb) biopharmaceuticals, which is a treatment for cancer.
- (*3) Biopharmaceuticals to cure other diseases, such as infectious and ophthalmic diseases.
- (*4) Chemical medicine is a treatment such as antibiotics.
- (*5) For chemical medicine, it includes bioequivalence tests.
- (*6) As the amortization period differs for each project, the remaining useful lives of the development costs are weighted average As of June 30, 2022.

Details of development costs as of December 31, 2021 are as follows (Korean won in thousands):

Classification	Purpose	Status		Phase I (*5)		Phase III		egulatory approval		Book value before mpairment loss		cumulated npairment losses		Book value	Remaining useful lives (*6)
	Treatment for autoimmune	Under development Under	₩	53,863,297	₩	261,822,638	₩	21,427,544	₩	418,651,203	₩		₩	337,113,479	-
	diseases (*1)	amortization Under		98,763,264		137,918,040		47,205,347		266,922,934				283,886,651	11 years
Bio- Pharmaceuticals	Cancer (#0)	development		17,142,357		134,083,746		7,823,514		5,832,821				159,049,617	-
medicines	treatment (*2)	Under amortization Under		55,948,981		226,700,868		74,014,696		475,666,771				356,664,545	6 years
	Other Treatment (*3)	development Under		-		32,580,693		1,923,872		52,714,374		(6,471,307)		28,033,258	-
	(-)	amortization Under		-		34,333,490		2,416,776		36,750,266		(36,750,266)		-	-
Chemical medicine	es (*4)	development Under		3,082,918		2,771,030		1,625,101		7,479,049		(1,694,080)		5,784,969	-
		amortization		6,433,652	_			9,949,500		16,383,152		(14,874,541)		1,508,611	8 years
			₩	235,234,469	₩	830,210,505	₩	166,386,350	₩	1,231,831,324	₩	(59,790,194)	₩	1,172,041,1302	

Material expenditures that are not recognized as assets because the Group does not exercise control, but from which future economic benefits are expected, for the three months and six months ended June 30, 2022 and 2021 are as follows (Korean won in thousands):

		June 3	0, 20)22	June 30, 2021					
		three months ended		For the six months ended	For th	e three months ended	For the six months ended			
Marketing costs	₩	4,128,786	₩	6,522,769	₩	4,468,705	₩	5,719,593		
Training costs		200,333		279,265		114,807		203,120		

Amortization expenses of intangible assets for the three months and six months ended June 30, 2022 and 2021 are allocated as follows (Korean won in thousands):

		June 3	0, 2022	2	June 30, 2021					
	For th	ne three months ended	For the six months ended		For the three months ended			For the six onths ended		
Cost of sales Selling and administrative	₩	31,379,268	₩	60,900,245	₩	28,874,299	₩	57,723,062		
expenses		9,232,395		18,138,020		7,095,108		15,883,277		
Development costs (*)		45,793		100,880		63,593		116,618		
Construction in progress (*)		4,921		8,761	851			2,150		
	₩	₩ 40,662,377 ₩		79,147,906	₩	36,033,851	₩	73,725,107		

(*) The amount only includes amortization of software.

Capitalized borrowing costs which are included in the acquisition of intangible assets and property, plant and equipment for the six-month periods ended June 30, 2022 are \$5,492 million (June 30, 2021: \$2,979 million) and \$578 million (June 30, 2021: \$350 million), respectively. The rate used to determine the borrowing costs eligible for capitalization is 2.38% (June 30, 2021: 1.98%).

Research and development costs recognized as expenses for the six-month periods ended June 30, 2022 are \text{\$\psi}69,392\$ million (June 30, 2021: \text{\$\psi}58,309\$ million).

10. Financial liabilities

Details of book value of financial liabilities as of June 30, 2022 and December 31, 2021 are as follows (Korean won in thousands):

	l 20 0000			ecember 31,
Current accets		une 30, 2022		2021
Current assets				
Short-term borrowings	₩	575,512,635	₩	512,107,570
Current portion of long-term borrowings		43,333,259		54,480,804
Current portion of lease liabilities		2,677,899		3,009,932
	₩	621,523,793	₩	569,598,306
Non-current assets				
Long-term borrowings	₩	175,229,257	₩	170,383,137
Lease liabilities		3,413,164		4,374,257
	₩	178,642,421	₩	174,757,394

Changes in financial liabilities at fair value through profit or loss for the six-month periods ended June 30, 2021 June 30, 2022 and are as follows and there is no change for the six-month periods ended June 30, 2022. (Korean won in thousands):

	2021										
	January 1		Valuation			Payments		June 30			
Forward exchange contract \text{\text{\$\psi}}	24,339,547	₩		-	₩	(24,339,547)	₩		-		

11. Greenhouse gas emissions liabilities

(1) Emission Permits

As of June 30, 2022, the number of free allocations per years in the 3rd planning period (2021-2025) is as follows:

										(unit: metr	ic ton	(tCO2-eq))
)21		2022		2023		2024		2025		Total
Free Allocation	₩	-	₩	50,235	₩	50,235	₩	49,765	₩	49,765	₩	200,000

- (2) The Group's estimated greenhouse gas emissions for the six-month periods ended June 30, 2022 is 28,317 tons (tCO2-eq) (June 30, 2021: 27,511 tons (tCO2-eq)).
- (3) Changes in the amount of emission permits for the six-month periods ended June 30, 2022 and 2021 are as follows:

① June 30, 2022

										(unit: metri	ic ton	(tCO2-eq))
		2021		2022		2023		2024		2025		Total
Basic&Free Allocation	₩	50,235	₩	50,235	₩	50,235	₩	49,765	₩	49,765	₩	250,235
Additional Allocation		-		-		-		-		-		-
Carry-over		-		-		-		-		-		-
Purchase (Sale)		4,380		-		-		-		-		4,380
Govt.Submission		(54,615)				<u>-</u>				-		(54,615)
Total	₩		₩	50,235	₩	50,235	₩	49,765	₩	49,765	₩	200,000

② June 30, 2021

		2020		2021		2022	2023		2024		(unit: me 2025		etric (tCO2-eq)) Total
Basic&Free Allocation	₩	42,290	₩	50,235	₩	50,235	₩	50,235	₩	49,765	₩	49,765	₩ 292,525
Additional Allocation		5,259		-		-		-		-		-	5,259
Carry-over		345		-		-		-		-		-	345
Purchase (Sale)		4,708		-		-		-		-		-	4,708
Govt.Submission		(52,602)		-		-		-		-			(52,602)
Total	₩	-	₩	50,235	₩	50,235	₩	50,235	₩	49,765	₩	49,765	₩ 250,235

- (4) The book value of free allocation is 0.
- (5) There are currently no emission permits provided as collateral for the six-month periods ended June 30, 2022 and 2021.
- (6) Increase and decrease of the emission liabilities for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in thousands)

	Janua	ary 1, 2021		Accrual		Reversal	June	30, 2022
Emission liability	₩	180,212	₩	65,750	₩	(180,212)	₩	65,750
	Janua	ary 1, 2021		Accrual		Reversal	June	30, 2021
Emission liability	₩	224,411	₩	38,639	₩	(224,411)	₩	38,639

12. Equity

Changes in issued capital and share premium for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in thousands, except shares):

	Number of shares	ls	ssued capital	SI	nare premium		Total
As of January 1, 2021	134,997,805	₩	134,997,805	₩	812,155,732	₩	947,153,537
Stock dividends	2,675,697		2,675,697		-		2,675,697
Exercise of stock warrants	243,032		243,032		25,040,815		25,283,847
As of June 30, 2021	137,916,534	₩	137,916,534	₩	837,196,547	₩	975,113,081
As of January 1, 2021	137,947,128	₩	137,947,128	₩	840,337,214	₩	978,284,342
Stock dividends	2,732,479		2,732,479		-		2,732,479
Exercise of stock warrants	88,244		88,244		8,783,502		8,871,746
As of June 30, 2022	140,767,851	₩	140,767,851	₩	849,120,716	₩	989,888,567

Other components of equity as of June 30, 2022 and December 31, 2021 are as follows (Korean won in thousands):

	June 30,	December 31,
	2022	2021
Treasury stock	₩ (488,517,485)	₩ (225,716,732)
Stock warrants	81,643,204	71,239,165
Other capital surplus	15,657,188	15,969,447
	₩ (391,217,093)	₩ (138,508,120)

Changes in treasury stock for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in thousands, except shares):

Number of shares	Amount
1,212,915	₩ 191,825,374
110,215	33,891,358
1,323,130	₩ 225,716,732
•	
1,323,130	₩ 225,716,732
1,617,359	262,800,753
2,940,489	₩ 488,517,485
	110,215 1,323,130 1,323,130 1,617,359

Changes in the number of stock warrants outstanding and their related weighted average exercise prices for the six-month periods ended June 30, 2022 are as follows (Korean won in thousands, except shares):

		Options		
	(u	ınit: share)		Amount
Beginning (*1)	₩	2,262,037	₩	71,239,165
Grant (*2)		510,164		13,162,585
Exercise and forfeited		(108,763)		(2,758,546)
Ending	₩	2,663,438	₩	81,643,204

^(*1) It is adjusted by reflecting the effects of stock dividends for the six-month periods ended June 30, 2022.

^(*2) The Group valuated the weighted average fair value of options granted for the six-month periods ended June 30, 2022 using the Binomial valuation model.

13. Dividends

Cash dividends paid for the year ended December 31, 2021 was 102,468 million (payment in 2020: nil). In addition, stock dividends of $\mbox{$\mathbb{W}$}2,732$ million (2,732,479 ordinary shares) for the year ended December 31, 2021 were declared on March 25, 2022, and ordinary shares were issued.

14. Revenue from Contracts with customers

Details of revenue for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in thousands):

	June 3	0, 2022	June 30, 2021			
	For the three months ended	For the six months ended	For the three months ended	For the six months ended		
Timing of revenue recognition:						
Recognition at a point in time (*1)	₩ 565,060,158	₩ 1,093,387,487	₩ 389,329,393	₩ 800,687,404		
Recognition over time (*2)	31,005,352	53,276,073	42,439,644	88,050,430		
	₩ 596,065,510	₩ 1,146,663,560	₩ 431,769,037	₩ 888,737,834		
Regional market						
Domestic	452,503,349	971,993,289	347,722,129	767,251,634		
Overseas	143,562,161	174,670,271	84,046,908	121,486,200		
	₩ 596,065,510	₩ 1,146,663,560	₩ 431,769,037	₩ 888,737,834		

^(*1) Revenue from the sale of goods and etc.

Details of receivables, contract assets, contract liabilities from contracts with customers for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in thousands):

					2022					
	•	Increa	se (*1)	De	crease (*	'2)			En	ding balance
₩	-	₩	-	₩		-	₩	51,134,000	₩	51,134,000
;	351,797,935	57,	996,900		(46,492,	006)		(6,711,033)		356,591,796
					2021					
		Increas	se (*1)	De	crease (*	'2)	-		En	ding balance
₩	88,590,323	₩	-	₩		-	₩	(59,563,323)	₩	29,027,000
	287,929,044	37,	078,641		(49,785,	516)		16,315,664		291,537,833
	Bee b	351,797,935 Beginning balance	balance Increase ₩ - 351,797,935 57, Beginning balance Increase ₩ 88,590,323	balance Increase (*1) ₩ - 351,797,935 57,996,900 Beginning balance Increase (*1) ₩ 88,590,323	balance Increase (*1) Dewood ₩ - ₩ 351,797,935 57,996,900 Beginning balance Increase (*1) Dewood ₩ 88,590,323 ₩ - ₩	Beginning balance Increase (*1) Decrease (* * * * * * * * * * * * * * * * * * *	Beginning balance Increase (*1) Decrease (*2) ₩ - ₩ - 351,797,935 57,996,900 (46,492,006) 2021 Beginning balance Increase (*1) Decrease (*2) ₩ 88,590,323 ₩ - ₩ -	Beginning balance Increase (*1) Decrease (*2) est	Beginning balance Increase (*1) Decrease (*2) W 51,134,000 estimate (*3) ₩ - 351,797,935 57,996,900 (46,492,006) (6,711,033) Beginning balance Increase (*1) Decrease (*2) Variable consideration estimate (*3) ₩ 88,590,323 ₩ - W - W (59,563,323)	Beginning balance Increase (*1) Decrease (*2) Variable consideration estimate (*3) En ₩ - ₩ - ₩ 51,134,000 ₩ 351,797,935 57,996,900 (46,492,006) (6,711,033) ₩ 2021 Variable consideration estimate (*3) En № 88,590,323 ₩ - ₩ - ₩ (59,563,323) ₩

^(1*) Include advance received and unearned revenue in relation to the consideration received before transferring goods or services to the customers for the six-month periods ended June 30, 2022 and 2021.

^(*2) Revenue from the services and etc.

^(*2) Reductions in contract liabilities not related to estimates of variable consideration and were recognized as revenue for the six-month periods ended June 30, 2022 and 2021.

^(*3) The contract liabilities for the six-month periods ended June 30, 2022 consist of an estimate of $\mbox{$W$26,229$}$ million recognized in the year ended December 31, 2021 and are replaced with account receivables and payables for the six-month periods ended June 30, 2022, and an estimated amount of price settlement for the six-month periods ended June 30, 2022 under the contract with customers, reflected as a deduction of revenue during the period worth at $\mbox{$W$(-)$}17,646$ million. The contract assets for the six-month periods ended June 30, 2022 are the estimated price settlement under contracts with customers, and consist of an estimated price settlement of $\mbox{$W$51,134$}$ million. The contract assets for the six-month periods ended June 30, 2022 are the estimated price settlement amount under the contract with customers, and consist of $\mbox{$W$(-)$}88,590$ that was replaced with account

14. Revenue from Contracts with customers (Cont'd)

receivables for the year ended December 31, 2021 among the contract assets as of January 1, 2021, and newly recognized price settlement estimate of ₩29,027 million for the year ended December 31, 2021.

The contract liabilities for the six-month ended June 30, 2021 are estimates of expected price settlement after the six-month periods ended June 30, 2021 and were recognized as a deduction of revenue for the six-month periods ended June 30, 2021 (see Note 21(1) and 22(2)(3)).

The amount recognized as revenue for the six-month periods ended June 30, 2021 that is included in contract liabilities as of December 31, 2021 is # 46,492 million (2021: #49,786 million).

15. Income tax

Income tax expense is recognized based on management's best estimate of the weighted average annual income tax rate expected for the full fiscal year. The weighted average annual effective income tax rate expected for the fiscal year ending December 31, 2022 is 16.94% (2021: 20.70%).

16. Other incomes and expenses

Details of other income and expenses for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in thousands):

		June 3	0, 202	22		June 30, 2021			
	For the	e three months ended		For the six months ended	For	the three months ended		For the six months ended	
Other income									
Rental income Gain on disposal of plant, property	₩	164,398	₩	335,575	₩	139,087	₩	283,407	
and equipment		5,493		7,608		5,293		6,042	
Gain on foreign exchange translation		11,461,498		14,419,870		(1,090,511)		2,555,818	
Gain on foreign currency transactions		5,537,264		11,151,070		1,113,915		1,817,799	
Dividend income Gain on valuation of financial assets at fair value through profit or loss Gain on disposal of financial assets		220,226		227,506		-		1,549,888	
		(7,949)		-		(7,318,022)		-	
at fair value through profit or loss		1,489,330		1,489,330		5,564,714		8,963,947	
Gain on disposal of investments in related parties and subsidiaries		-		-		6,392		6,392	
Gain on disposal of intangible assets		-		-		-		26,689,796	
Miscellaneous gain		480,955		772,856		2,553,915		3,067,850	
	₩	19,351,215	₩	28,403,815	₩	974,783	₩	44,940,939	
Other expenses									
Donations Loss on disposal of property, plant		137,976		1,299,476		367,192		883,692	
and equipment		71,375		465,082		39,416		46,210	
Loss on disposal of intangible assets		-		-		2,522,913		2,522,915	
Loss on foreign exchange translation		22,880		2,244,164		(625,684)		995,881	
Loss on foreign currency transactions Loss on valuation of financial liabilities at fair value through profit		4,572,664		8,131,757		1,435,971		3,312,412	
or loss		574,620		870,272		-		-	
Loss on disposal of investment in subsidiaries and associates		-		-		1,145,056		1,145,056	
Miscellaneous loss		2,746,426		9,893,515		96,985		141,126	
	₩	8,125,941	₩	22,904,266	₩	4,981,849	₩	9,047,292	
Net other income (expenses)	₩	11,225,274	₩	5,499,549	₩	(4,007,066)	₩	35,893,647	

17. Finance income and loss

Details of finance income and costs for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in thousands):

	June 30, 2022					June 30, 2021			
	For the	he three months ended	r	For the six months ended	For	the three months ended	r	For the six months ended	
Finance income									
Interest income (*1)	₩	3,133,551	₩	6,460,685	₩	714,056	₩	1,719,516	
Gain on foreign exchange translation		3,755,421		7,719,134		931,376		7,315,576	
Gain on foreign currency transactions		594,039		937,759		1,216,577		8,586,604	
	₩	7,483,011	₩	15,117,578	₩	2,862,009	₩	17,621,696	
Finance costs		_				_			
Interest expenses (*2)		1,995,391		3,466,878		2,138,199		4,640,158	
Loss on foreign exchange translation		1,754,342		2,325,285		(478,092)		130,443	
Loss on foreign currency transactions		202,127		478,393		2,804,738		3,054,051	
	₩	3,951,860	₩	6,270,556	₩	4,464,845	₩	7,824,652	
Net finance income (costs)	₩	3,531,151	₩	8,847,022	₩	(1,602,836)	₩	9,797,044	

(*1) Details of interest income included in finance income are as follows (Korean won in thousands):

		June 30, 2022				June 30, 2021			
	For t	he three months ended	r	For the six	For t	he three months ended		For the six months ended	
Other loans and receivables	₩	3,133,551	₩	6,460,685	₩	714,056	₩	1,719,516	

(*2) Details of interest expenses included in finance costs are as follows (Korean won in thousands):

	June 30, 2022				June 30, 2021			
	For	the three months ended	r	For the six months ended	For	the three months ended		For the six months ended
Interest on bank overdraft and borrowings Capitalized interest for	₩	5,241,665	₩	9,536,320	₩	4,002,710	₩	8,219,577
qualifying assets		(3,246,274)		(6,069,442)		(1,864,511)		(3,579,419)
	₩	1,995,391	₩	3,466,878	₩	2,138,199	₩	4,640,158

18. Expenses by nature

Details of expenses by nature for the three-month and six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in thousands):

	June 30, 2022			June 30, 2021				
	F	For the three For the six		F	For the three		For the six	
	m	onths ended	m	onths ended	<u> </u>	onths ended	m	onths ended
Changes in inventories	₩	72,201,442	₩	77,970,598	₩	(31,208,892)	₩	(61,703,037)
Cost of raw materials		57,708,593		112,752,736		52,055,610		98,140,717
Employee benefit expense		65,605,953		130,451,900		60,978,595		123,994,570
Purchase of reagent and								
supplies		16,971,247		33,946,011		823,464		12,616,365
Service fees		74,318,741		191,404,046		87,740,013		155,199,129
Commission expenses		15,931,017		33,244,183		11,038,462		21,431,764
Taxes and dues		2,679,451		4,285,295		2,455,248		3,866,619
Depreciation		16,376,535		32,636,124		15,159,223		30,129,229
Amortization		40,611,662		79,038,264		35,969,408		73,606,340
Other expenses		34,694,349		109,686,693		32,768,589		57,777,354
Total (*1)	₩	397,098,990	₩	805,415,850	₩	267,779,720	₩	515,059,050

^(*1) The amount is the sum of cost of sales and selling and administrative expenses on the interim consolidated statements of profit or loss.

19. Earnings per share

Basic earnings per share amounts are calculated by dividing the profit attributable to owners of the Group by the weighted average number of ordinary shares outstanding for the six-month periods ended June 30, 2022 and 2021 excluding ordinary shares purchased by the Group and held as treasury stocks.

Basic earnings per share for the three-month and six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in units, shares):

		June 3	0, 20	022		June 30,	202	21 (*)
	Fo	r the three months ended		For the six months ended	Fo	r the three months ended		For the six months ended
Profit attributable to ordinary shares Weighted average number of	₩	183,416,783,732	₩	301,944,364,240	₩	126,280,043,391	₩	321,935,049,520
ordinary shares outstanding Basic earnings per share		138,101,618 1,328		138,422,269 2,181		139,292,017 907		139,209,241 2,313

^(*) It is adjusted to reflect the effects of stock dividends for the six-month periods ended June 30, 2022.

19. Earnings per share (cont'd)

The basis for calculating the weighted average number of common shares outstanding for calculating earnings per share is as follows.

1) Six months ending June 30, 2022 (in number of shares)

Weighted aver	age number o	f ordinary	shares

	_	outstanding						
	Number of ordinary shares	For the three months ended	For the six months ended					
Number of issued share								
(beginning of Period)	137,947,128	137,947,128	137,947,128					
Stock dividends	2,732,479	2,732,479	2,732,479					
Treasury stock (beginning of period)	(1,323,130)	(1,323,130)	(1,323,130)					
Acquisition of treasury stock	(1,617,359)	(1,320,293)	(970,123)					
Stock warrants	88,244	65,434	35,915					
Number of Outstanding Share As of June 30, 2022	137,827,362	138,101,618	138,422,269					

2) Six months ending December 31, 2021 (in number of shares)

Weighted average number of ordinary shares

		outstanding	
	Number of ordinary shares	For the three months ended	For the six months ended
Number of issued share			
(beginning of Period)	137,697,761	137,697,761	137,697,761
Stock dividends	2,729,210	2,729,210	2,729,210
Treasury stock (beginning of period)	(1,212,915)	(1,212,915)	(1,212,915)
Acquisition of treasury stock	(110,215)	(110,215)	(110,215)
Stock warrants	247,892	188,176	105,400
Number of Outstanding Share as of December 31, 2021	139,351,733	139,292,017	139,209,241

Diluted earnings per share amounts are calculated by adjusting the weighted average number of ordinary shares outstanding to assume conversion of all dilutive potential ordinary shares. The Group has dilutive potential ordinary shares: stock warrants. For the stock warrants, a calculation is done to determine the number of shares that could have been acquired at fair value (determined as the average annual market share price of the Group's shares) based on the monetary value of the subscription rights attached to outstanding stock options. The number of shares calculated above is compared with the number of shares that would have been issued assuming the exercise of the stock warrants.

19. Earnings per share (cont'd)

Diluted earnings per share for the three-month and six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in units, shares):

	June 3	0, 2022	June 30,	2021 (*)
	For the three-month periods ended	For the six-month periods ended	For the three-months period ended	For the six-month periods ended
Profit attributable to ordinary shares Dilutive profit attributable to	₩ 125,500,724,557	₩ 319,122,371,691	₩ 138,092,701,298	₩ 243,030,544,993
ordinary shares Weighted average number of	125,500,724,557	319,122,371,691	138,092,701,298	243,030,544,993
ordinary shares outstanding Adjustment for:	136,534,858	136,453,706	136,357,514	136,271,061
Stock warrants	653,806	774,989	662,787	601,832
Weighted average number of ordinary shares for diluted earnings per share	137,188,664	137,228,695	137,020,301	136,872,893
Diluted earnings per share	915	2,325	1,008	1,776

^(*) It is adjusted to reflect the effects of stock dividends for the six-month periods ended June 30, 2022.

20. Supplemental cash flow information

Details of adjustments and change in net working capital in cash generated from operations for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in thousands):

periods crided darie de, 2022 drid 2027 dre de fellewe (Norda		une 30, 2022		June 30, 2021
Profit for the period	₩	305,266,249	₩	329,579,848
Adjustments for:				
Income tax expense		62,243,824		87,299,676
Loss on valuation of inventories		8,470,727		5,825,983
Share-based payment		12,130,610		10,257,145
Depreciation		32,636,124		30,129,229
Amortization		79,038,264		73,606,340
Allowance (reversal of allowance) for doubtful accounts		(12,220)		(297,711)
Loss on relation of foreign currency		4,569,448		1,126,324
Gain on relation of foreign currency		(22,139,004)		(9,871,394)
Loss on valuation of financial liabilities		.==.		
at fair value through profit or loss Gain on disposal of financial assets at fair value		870,272		-
through profit or loss		(1,489,330)		(8,963,947)
Gain on disposal of investment in subsidiaries and		(, , , ,		(, , , ,
associates		-		(6,392)
Loss on disposal of investment in subsidiaries and associates		_		1,145,056
Share of loss of associates		(11,915,791)		2,489,951
Interest expenses		3,466,878		4,640,158
Interest income		(6,460,685)		(1,719,516)
Dividend income		(227,506)		(1,549,888)
Gain on disposal of property, plant and equipment		(7,608)		(6,042)
Loss on disposal of property, plant and equipment		465,082		46,209
Gain on disposal of intangible assets		-		(26,689,796)
Loss on disposal of intangible assets		-		2,522,915
miscellaneous profit		(31,460)		(6,765)
Total adjustments	₩	161,607,625	₩	169,977,535
Changes in net working capital		- , ,-		,,
Trade receivables	₩	(362,152,575)	₩	(38,195,836)
Other receivables		45,331,226		42,895,754
Inventories		(171,885,365)		(72,915,008)
Other current assets		(27,510,380)		36,036,354
Other non-current assets		(231,776)		(228,874)
Trade payables		(3,275,823)		(11,224,453)
Other payables		41,556,780		(63,777,779)
Long-term other payables		-		2,761,639
Other current liabilities		(44,408,558)		16,107,928
Other non-current liabilities		(2,608,090)		11,475,987
Provisions		1,711,155	. _	606,111
Total changes in net working capital		(523,473,406)		(76,458,177)
Cash generated from operations	₩	(56,599,532)	₩	423,099,206

20. Supplemental cash flow information (cont'd)

Significant non-cash transactions for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in thousands):

	Ju	ne 30, 2022	Jı	une 30, 2021
Transfer of construction-in-progress to property, plant and equipment or intangible assets	₩	2,126,827	₩	18,099,439
Reclassification of current portion of long-term borrowings		21,666,629		32,814,175
Transfer of equity by stock dividends		2,732,479		2,675,697
Other receivables related to intangible assets		-		508,500

Changes in liabilities arising from financing activities for six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in thousands):

							N	lon-cash flow	N			
	,	January 1, 2022	(Cash flow		xchange rate ictuation		Interest xpenses		lassification nd others	·	June 30, 2022
Accrued expenses (*)	₩	947,026	₩	(9,078,243)	₩	-	₩	9,381,383	₩	-	₩	1,250,166
Short-term borrowings Current portion of long-term		512,107,570		60,514,910		2,890,155		-		-		575,512,635
borrowings		54,480,805		(32,814,176)		-		-		21,666,630		43,333,259
Long-term borrowings		170,383,137		26,512,750		-		-		(21,666,630)		175,229,257
Lease liabilities Dividends payable		7,384,189 5,674		(1,625,304) (102,450,966)		51,300		85,058		195,820 102,467,998		6,091,063 22,706
	₩	745,308,401	₩	(58,941,029)	₩	2,941,455	₩	9,466,441	₩	102,663,818	₩	801,439,086

(*) There are no prepaid interest expenses for the six-month periods ended June 30, 2022.

							N	lon-cash flo	w			
		January 1, 2021	(Cash flow		change rate ctuation		Interest xpenses		lassification nd others		June 30, 2021
Accrued expenses (*)	₩	842,336	₩	(7,627,252)	₩	32,498	₩	7,351,895	₩	-	₩	599,477
Short-term borrowings Current portion of long-term		436,977,488		57,601,023		80,904		-		-		494,659,415
borrowings		132,043,240		(98,021,620)		-		-		32,814,175		66,835,795
Long-term borrowings		199,869,876		9,770,612		-		-		(32,814,175)		176,826,313
Lease liabilities Dividends payable		5,512,344 10,846		(1,432,090)		25,375 -		93,423		1,910,476 -		6,109,528 10,846
	₩	775,256,130	₩	(39,709,327)	₩	138,777	₩	7,445,318	₩	1,910,476	₩	745,041,374

^(*) Prepaid interest expenses for the six-month periods ended June 30, 2021 amount to \$\text{\psi}459\$ million.

21. Contingencies and commitments

As of June 30, 2022, the Group has the exclusive sales and distribution rights agreement and the product supply agreement with Celltrion Healthcare Co., Ltd., a related party as of June 30, 2022, on the products that the Group is currently developing and will develop in the future. The Group has received a performance deposit from Celltrion Healthcare Co., Ltd., pursuant to the agreement, which will be deducted from future product sales proceeds. The Group is maintaining supply contracts and services contract such as Fill & Finnish for each product. Supply contracts accompany agreements such as price settlement and confidentiality, and Fill & Finish and other service agreement accompanies yield settlement and confidentiality agreement. In addition, the Group has obligations for the development and supply of products in accordance with the Master Service Agreement between Celltrion Healthcare Co., Ltd. and co-marketing agents.

The Group sold and supplied \(\psi 753,434 \) million (June 30, 2021: \(\psi 662,948 \) million) in accordance with the above agreements for the six-month periods ended June 30, 2022. Related receivables from Celltrion Healthcare Co., Ltd. are \(\psi 1,166,975 \) million as of June 30, 2022 (December 31, 2021: \(\psi 795,121 \) million).

21. Contingencies and commitments (cont'd)

On request of Celltrion Healthcare Co., Ltd., in accordance with the agreements on exclusive rights for the sales and distribution between Celltrion Healthcare Co., Ltd. and the Company, the Company is to store products sold to Celltrion Healthcare Co., Ltd., which represents a significant portion of products sold to Celltrion Healthcare Co., Ltd., at the Company's warehouse with specifically-designed refrigeration units, approved by local safety regulators. These products have been separately partitioned from the Company's inventories.

In addition, the Group has entered into commitments to provide additional collateral to Korea Securities Finance Corporation in case of shortage of collateral for borrowings from the Employee Stock Ownership Association and Employee Stock Ownership members Korea Securities Finance Corporation which have employees' stockholding as collateral, and the related joint surety of \(\pm36,715\) million are provided to Korea Securities Finance Corporation (December 31, 2021: \(\pm38,270\) million to Korea Securities Finance Corporation).

The Group committed to provide time deposit of ₩13,516 million (December 31, 2021: ₩ 13,516 million) as collateral to Korea Securities Finance Corporation regarding Employee Stock Ownership Association (see Note 5).

As of June 30, 2022, the Group was provided with $mathbb{W}9,962$ million (December 31, 2021: $mathbb{W}42,580$ million) of guarantee from Seoul Guarantee Insurance Co., Ltd. related to the refund of the support fund for childcare facilities for employees.

As of June 30, 2022, the Group has entered into loan commitments with Shinhan Bank, Korea Export Import Bank, Korea Development Bank and others and was provided with a guarantee from financial institutions related to the issuance of letter of credit and letter of guarantee from financial institutions. Commitments for which unused amounts are outstanding as of June 30, 2022 and 2021 are as follows (Korean won in thousands and USD):

June 30, 2022

			0 0 0 0 0, = 0 = =	
Financial institutions	Descriptions of commitments	Currency	Limited amounts	Amount used
	L/C Usance	USD	30,000,000	13,363,061
	Bank overdraft	KRW	20,000,000	-
Chinhan Dank	Facility loan	KRW	100,000,000	21,170,473
Shinhan Bank	Non L/C Basis (D/A)	USD	1,000,000	371,640
	Billed discount	KRW	10,000,000	-
	Facility loan	KRW	52,000,000	47,666,463
Korea Export Import Bank	Export loan	KRW	77,600,000	28,725,580
Korea Development Bank	L/C Usance	USD	10,000,000	-

21. Contingencies and commitments (cont'd)

December 31	l, 2021
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			December 31, 2021	
Financial institutions	Descriptions of commitments	Currency	Limited amounts	Amount used
	L/C Usance	USD	30,000,000	5,507,303
	Bank overdraft	KRW	20,000,000	-
Shinhan Bank	Facility loan	KRW	100,000,000	10,450,023
	Non L/C Basis (D/A)	USD	500,000	-
	Facility loan	KRW	52,000,000	51,999,778
Korea Export Import Bank	Export loan	KRW	77,600,000	12,933,280
Korea Development	L/C USANCE	USD	10,000,000	72,354
Bank	General facility loan	KRW	40,000,000	5,000,000
Industrial Bank of Korea	Non L/C Basis (D/A)	USD	500,000	186,282
Nonghyup Bank	General facility loan	KRW	15,000,000	1,875,000

The Group has entered into an investment commitment of \$\pm\$75,000 million with its associate, Mirae Asset Celltrion New Growth Investment Association 1. The uninvested amount as of June 30, 2022 is \$\pm\$6,250 million (December 31, 2021: \$\pm\$6,250 million). Also, the Group has entered into an investment commitment of \$\pm\$50,000 million with its associate Marae-asset Celltrion Bio Ecosystem Growth Fund. The uninvested amount as of June 30, 2022 is \$\pm\$45,000 million. (December 31, 2021: \$\pm\$45,000 million) Also, the Group has entered into an investment commitment of \$\pm\$50,000 million with its associate Aju-Solasta Life Science 4.0 Fund. The uninvested amount as of June 30, 2022 is \$\pm\$45,000 million. (December 31, 2021: None) The Group entered into an investment agreement for a total of \$\pm\$5,000 million with the Premier Global Innovation Fund 1, and as of June 30, 2022, the uninvested amount is \$\pm\$335 million (December 31, 2021: \$\pm\$628 million). Also, the Group has entered into an investment commitment of \$\pm\$5,000 million with Premier Global Innovation Investment Association No.2. The uninvested amount as of June 30, 20222 is \$\pm\$2,185 million. (December 31, 2021: \$\pm\$2,515 million)

As of June 30, 2022, the Group is a defendant in 3 lawsuits involving claims for infringement of patent and others. As of the reporting date, the outcome of the pending litigations cannot be reasonably estimated.

As of June 30, 2022, Celltrion Pharm, Inc., a subsidiary of the Company, was imposed with additional corporate income tax amounting to $\[mathbb{W}\]$ 10,991 million for the omission of goodwill as a taxable income in 2009 by Korean tax authorities. Celltrion Pharm, Inc. is in the process of claiming tax appeal. The Group won the first trial in the Seoul Administrative court on August 24, 2018 and the second trial in the Seoul High Court on June 25, 2021. However, the defendant filed an appeal and currently the appeal is in process. The Group recognized the related assets as other non-current assets.

As of June 30, 2022, the land owned by the Group for the construction of the R&D center is the land acquired from the Incheon City. The land acquisition contract provides a clause that the Group must complete the groundbreaking and construction within the development period set in the contract, and a clause that prohibits the provision of collateral or resale of the land for purposes other than the purpose of the business for five years from the effective date of the contract. It stipulates that if these matters are not satisfied, the Incheon City may cancel the sales contract.

On June 29, 2018, The Group purchased domestics sales right from Celltrion Healthcare to improve domestic sales efficiency by simplifying the transaction structure.

21. Contingencies and commitments (cont'd)

The Group made an equity investment of USD 8,000 thousand in Iksuda Therapeutics Limited for the six-month periods ended June 30, 2021, and thereafter entered into a contract to make additional investments when the contractual conditions are satisfied (see the Note 7(1)).

The Group has binding contract of minimum purchase amount regarding services including fill-and-finish service. If the Group's order amount is below the minimum level, the Group must reimburse the order shortage amount.

22. Related parties

Details of the related parties as of June 30, 2022 and December 31, 2021 are as follows:

Category	June 30, 2022	December 31, 2021
Chief Executive Officers	Woo Sung Kee	Woo Sung Kee
Entity with significant influence over the Group	Celltrion Holdings Co., Ltd.	Celltrion Holdings Co., Ltd.
'	2014 growth-ladder-IMM venture fund	2014 growth-ladder-IMM venture fund
	Mirae Asset Celltrion New Growth Investment Association 1 CTB Biomedics Inc.	Mirae Asset Celltrion New Growth Investment Association 1 CTB Biomedics Inc.
Associates	Iksuda Therapeutics Limited (*1)	Iksuda Therapeutics Limited (*1)
	Mirae Asset Celltrion Bio Ecosystem Growth Fund (*1) Aju-Solasta Life Science 4.0 Fund(*2)	Mirae Asset Celltrion Bio Ecosystem Growth Fund (*1)
Other related parties	Celltrion Healthcare Co., Ltd. Celltrion Skincure Co., Ltd. Celltrion Healthcare Hungary Others	Celltrion Healthcare Co., Ltd. Celltrion Skincure Co., Ltd. Celltrion Healthcare Hungary Others

^(*1) The related party was added to the Group's associates through new acquisitions for the year ended December 31, 2021.

Significant transactions, which occurred in the normal course of business, with related parties for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in thousands):

				June 30,	2022			
		Sales	Ot	her income		Purchase		Other expense
Entity which exercises significant influence over the Group						1,100,507		
Celltrion Holdings Co., Ltd.	₩	-	₩	84,646	₩	804,803	₩	-
Other related parties								
Celltrion Healthcare Co., Ltd. (*)		753,434,039		506,197		585,309		-
Celltrion Skincure Co., Ltd.		618,469		12,526		340,198		-
Celltrion Healthcare Hungary		8,732,052		501,372		583,420		
TS ENC		-		1,068		4,752,276		
Celltrion Healthcare Taiwan Ltd		14,731,905		14,003		13,617		
Celltrion Healthcare (Thailand) Co., Ltd.		13,117,632		-		39,709		
Celltrion Healthcare Hong Kong Limited		11,038,648		-		-		
Celltrion Healthcare Japan		-		-		1,125,685		-
Others		1,471,360		20,748		745,339		600,000
	₩	803,144,105	₩	1,140,560	₩	9,286,060	₩	600,000

^(*2) The related party was added to the Group's associates through new acquisitions for the six-month periods ended June 30, 2022.

(*1) The Group provides products and services based on the basic sales right contract, product supply contract, and fill & finish service contract. The consideration related to the transaction was measured at the fair value of the consideration received or receivable less any sales discount, quantity discount, price settlement, and other.

					Jun	e 30, 2021				
		Sales	0	ther income		Interest		Purchase		Other expense
Entity which exercises significant influence over the Group Celltrion Holdings Co., Ltd.	₩	-	₩	26,935,925	₩	-	₩	804,803	₩	-
Other related parties										
Celltrion Healthcare Co., Ltd. (*)		662,948,286		817,156		119,337		226,380		-
Celltrion Skincure Co., Ltd.		647,025		37,241		-		310,773		
Celltrion Healthcare Hungary		28,291,632		391,454		2,260		24,455		
TS ENC		-		1,068		-		4,830,593		
Celltrion Healthcare Taiwan Ltd		-		-		-		1,199,402		
Celltrion Healthcare (Thailand) Co., Ltd.		-		-		-		3,954,406		-
Celltrion Healthcare Hong Kong Limited		-		-		-		183,944		-
Others		271,482		23,823				774,276		500,000
	₩	692,158,425	₩	28,206,667	₩	121,597	₩	12,309,032	₩	500,000

Balances of receivables from and payable to related parties as of June 30, 2022 and December 31, 2021 are as follows (Korean won in thousands):

		June 30	, 2022	
	Trade receivables	Loans(*2)	Other receivables	Other payables
Entity which exercises				
significant influence over				
the Group Celltrion Holdings				
Co., Ltd.	₩ -	₩ -	₩ 73,810	₩ 664,917
Other related parties			,	,
Celltrion Healthcare				
Co., Ltd. (*1)	1,166,975,427	-	63,030,798	387,185,482
Celltrion Skincure Co., Ltd.	388,081	_	5,942	23,058
Celltrion Healthcare	000,001		0,012	20,000
Hungary	9,298,959	-	21,259	3,491,019
TS ENC	-	-	587	18,920
Celltrion Healthcare Taiwan	16 259 272	2 516 600	619 270	1 126 721
Ltd Celltrion Healthcare (Thailand)	16,258,372	3,516,688	618,370	1,136,731
Co., Ltd.	15,694,731	16,554,292	1,929,246	3,524,999
Celltrion Healthcare	40.404.000			
Hong Kong Limited	12,124,268	-	-	-
Celltrion Healthcare Japan		-	-	697,917
Others	1,202,020	1,248,081	131,449	416,043
	₩ 1,221,941,858	₩ 21,319,061	₩ 65,811,461	₩ 397,159,086
		5 .	04 0004	
	Trada	December		Othor
	Trade		Other	Other
Entity which exercises	Trade receivables	Loans(*2)		Other payables
Entity which exercises significant influence over			Other	
Entity which exercises significant influence over the Group			Other	
significant influence over the Group Celltrion Holdings	receivables	Loans(*2)	Other receivables	payables
significant influence over the Group Celltrion Holdings Co., Ltd.(*1)			Other	
significant influence over the Group Celltrion Holdings Co., Ltd.(*1) Other related parties	receivables	Loans(*2)	Other receivables	payables
significant influence over the Group Celltrion Holdings Co., Ltd.(*1) Other related parties Celltrion Healthcare	receivables	Loans(*2)	Other receivables	payables
significant influence over the Group Celltrion Holdings Co., Ltd.(*1) Other related parties	receivables ₩ - 795,120,523	Loans(*2)	Other receivables W 3,049 14,466,287	payables ₩ 615,491 274,368,843
significant influence over the Group Celltrion Holdings Co., Ltd.(*1) Other related parties Celltrion Healthcare Co., Ltd. (*) Celltrion Skincure Co., Ltd.	receivables W -	Loans(*2)	Other receivables W 3,049	payables ₩ 615,491
significant influence over the Group Celltrion Holdings Co., Ltd.(*1) Other related parties Celltrion Healthcare Co., Ltd. (*) Celltrion Skincure Co., Ltd. Celltrion Healthcare	receivables ₩ - 795,120,523	Loans(*2)	Other receivables W 3,049 14,466,287	payables ₩ 615,491 274,368,843
significant influence over the Group Celltrion Holdings Co., Ltd.(*1) Other related parties Celltrion Healthcare Co., Ltd. (*) Celltrion Skincure Co., Ltd. Celltrion Healthcare Hungary	receivables ₩ - 795,120,523 217,653	Loans(*2)	Other receivables W 3,049 14,466,287 62,632	payables ₩ 615,491 274,368,843 41,480 5,225,251
significant influence over the Group Celltrion Holdings Co., Ltd.(*1) Other related parties Celltrion Healthcare Co., Ltd. (*) Celltrion Skincure Co., Ltd. Celltrion Healthcare Hungary TS ENC	receivables ₩ - 795,120,523 217,653	Loans(*2)	Other receivables ₩ 3,049 14,466,287 62,632 - 587	payables ₩ 615,491 274,368,843 41,480
significant influence over the Group Celltrion Holdings Co., Ltd.(*1) Other related parties Celltrion Healthcare Co., Ltd. (*) Celltrion Skincure Co., Ltd. Celltrion Healthcare Hungary	receivables ₩ - 795,120,523 217,653	Loans(*2)	Other receivables W 3,049 14,466,287 62,632	payables ₩ 615,491 274,368,843 41,480 5,225,251
significant influence over the Group Celltrion Holdings Co., Ltd. (*1) Other related parties Celltrion Healthcare Co., Ltd. (*) Celltrion Skincure Co., Ltd. Celltrion Healthcare Hungary TS ENC Celltrion Healthcare Taiwan Ltd Celltrion Welfare Foundation	receivables 795,120,523 217,653 25,351,741 1,302,839	Loans(*2)	Other receivables ₩ 3,049 14,466,287 62,632 - 587	payables ₩ 615,491 274,368,843 41,480 5,225,251
significant influence over the Group Celltrion Holdings Co., Ltd.(*1) Other related parties Celltrion Healthcare Co., Ltd. (*) Celltrion Skincure Co., Ltd. Celltrion Healthcare Hungary TS ENC Celltrion Healthcare Taiwan Ltd Celltrion Welfare Foundation Celltrion Healthcare (Thailand) Co., Ltd.	receivables 795,120,523 217,653 25,351,741 1,302,839		Other receivables	payables ₩ 615,491 274,368,843 41,480 5,225,251 17,327
significant influence over the Group Celltrion Holdings Co., Ltd.(*1) Other related parties Celltrion Healthcare Co., Ltd. (*) Celltrion Skincure Co., Ltd. Celltrion Healthcare Hungary TS ENC Celltrion Healthcare Taiwan Ltd Celltrion Welfare Foundation Celltrion Healthcare (Thailand) Co., Ltd. Celltrion Healthcare	receivables W - 795,120,523 217,653 25,351,741 - 1,302,839	Loans(*2) W - - - - 11,641,610 24,663,142	Other receivables W 3,049 14,466,287 62,632 - 587 1,002 560,742	payables ₩ 615,491 274,368,843 41,480 5,225,251 17,327 - 1,028,878 3,232,241
significant influence over the Group Celltrion Holdings Co., Ltd.(*1) Other related parties Celltrion Healthcare Co., Ltd. (*) Celltrion Skincure Co., Ltd. Celltrion Healthcare Hungary TS ENC Celltrion Healthcare Taiwan Ltd Celltrion Welfare Foundation Celltrion Healthcare (Thailand) Co., Ltd. Celltrion Healthcare Hong Kong Limited	receivables W - 795,120,523 217,653 25,351,741 - 1,302,839 3,359,181	Loans(*2) W	Other receivables W 3,049 14,466,287 62,632 - 587 1,002 560,742 1,616,092	payables ₩ 615,491 274,368,843 41,480 5,225,251 17,327 - 1,028,878 3,232,241 357,926
significant influence over the Group Celltrion Holdings Co., Ltd.(*1) Other related parties Celltrion Healthcare Co., Ltd. (*) Celltrion Skincure Co., Ltd. Celltrion Healthcare Hungary TS ENC Celltrion Healthcare Taiwan Ltd Celltrion Welfare Foundation Celltrion Healthcare (Thailand) Co., Ltd. Celltrion Healthcare Hong Kong Limited Celltrion Healthcare Japan	receivables 795,120,523 217,653 25,351,741 - 1,302,839 3,359,181 3,016,220 -	Loans(*2) W - - - - 11,641,610 24,663,142 4,156,559	Other receivables	payables ₩ 615,491 274,368,843 41,480 5,225,251 17,327 - 1,028,878 3,232,241 357,926 279,005
significant influence over the Group Celltrion Holdings Co., Ltd.(*1) Other related parties Celltrion Healthcare Co., Ltd. (*) Celltrion Skincure Co., Ltd. Celltrion Healthcare Hungary TS ENC Celltrion Healthcare Taiwan Ltd Celltrion Welfare Foundation Celltrion Healthcare (Thailand) Co., Ltd. Celltrion Healthcare Hong Kong Limited	receivables W - 795,120,523 217,653 25,351,741 - 1,302,839 3,359,181	Loans(*2) W - - - - 11,641,610 24,663,142	Other receivables W 3,049 14,466,287 62,632 - 587 1,002 560,742 1,616,092	payables ₩ 615,491 274,368,843 41,480 5,225,251 17,327 - 1,028,878 3,232,241 357,926

(*1) Includes contract assets of \$51,134 million for other receivables with Celltrion Healthcare (December 31, 2021: None), and contract liabilities (performance guarantee deposit, etc.) of \$312,845 million for other liabilities (December 31, 2021: \$274,368 million) generated in accordance with the sales right contracts. (*2) Details on loans are described in Note 22(5).

As of June 30, 2022, the Group is not provided with payment guarantees (December 31, 2021: $\mbox{$\mathbb{W}$}10,327$ million) from the entity which exercises significant influence over the Group regarding certain borrowings. The Group is provided collateral amounting to $\mbox{$\mathbb{W}$}72,000$ million (December 31, 2021: $\mbox{$\mathbb{W}$}72,000$ million) from the entity which exercises significant influence over the Group regarding certain borrowings. The Group is not provided with payment guarantees for borrowings (December 31, 2021: $\mbox{$\mathbb{W}$}66,000$ million) from the largest shareholder of the entity as of June 30, 2022.

Changes in loans to the related parties of the Group for the six-month periods ended June 30, 2022 are as follows (Korean won in thousands):

	June 30, 2022								
	January 1			Loans		FX rate Change		June 30	
Celltrion Healthcare Taiwan Ltd	₩	11,641,610	₩	(8,778,320)	₩	653,398	₩	3,516,688	
Celltrion Healthcare (Thailand) Co., Ltd.		24,663,142		-		(8,108,850)		16,554,292	
Celltrion Healthcare Australia Pty Ltd		143,807		(144,402)		595		-	
Celltrion Healthcare Hong Kong Limited		4,156,559		(4,266,793)		110,234		-	
Celltrion Healthcare Malaysia Sdn Bhd		135,147		-		12,244		147,391	
Celltrion Healthcare Philippines, Inc.		523,806		-		(238,176)		285,630	
Celltrion Healthcare Singapore Private Limited	747,354		-		67,706		815,060		
	₩	42,011,425	₩	(13,189,515)	₩	(7,502,849)	₩	21,319,061	
		December 31, 2021							
	,	January 1	Loans		FX rate Change		June 30		
Celltrion Healthcare Taiwan Ltd Celltrion Healthcare (Thailand) Co., Ltd.	₩	-	₩	11,221,348 23,887,403	₩	420,262 775,739	₩	11,641,610 24,663,142	
Celltrion Healthcare Australia Pty Ltd		-		139,889		3,918		143,807	
Celltrion Healthcare Hong Kong Limited		-		4,057,511		99,048		4,156,559	
Celltrion Healthcare Malaysia Sdn Bhd		-		131,043		4,104		135,147	
Celltrion Healthcare Philippines, Inc.		-		508,209		15,597		523,806	
Celltrion Healthcare Singapore Private Limited		-		724,659		22,695		747,354	
	₩	-	₩	40,670,062	₩	1,341,363	₩	42,011,425	

For the six-month periods ended June 30, 2022, the Group recovered $\mbox{$W$51}$ million in 2014 growth-ladder-IMM venture fund, an associate as principal. Also, the Group recovered $\mbox{$W$1,500}$ million in Mirae Asset Celltrion New Growth Investment Association No. 1, an associate (June 30, 2021: $\mbox{$W$2,500}$ million) as principal. the Group invested $\mbox{$W$5,000}$ million in Aju-Salasta Life Science 4.0 Fund, an associate, for the six-month periods ended June 30, 2022. The Group invested $\mbox{$W$9,015}$ million in Iksuda Therapeutics Limited, an associate, and $\mbox{$W$12,500}$ million in Mirae Asset Celltrion New Growth Investment Association 1, an associate, for the six-month periods ended June 30, 2021 (see Note 7(2)).

Payment guarantees and agreements to related parties are described in Note 21.

Key management personnel include directors (standing and non-standing) and audit committee members who have significant control and responsibilities on the Group's operation and business. The compensations paid or payable to key management personnel for employee services for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in thousands):

	June 30, 2022		June 30, 2021	
Salaries and other short-term employee benefits and others	₩	11,156,397	₩	9,816,529
Retirement benefits		1,134,446		5,615,347
Stock-based compensation expense		2,885,328		2,553,368
	₩	15,176,171	₩	17,985,244

23. Non-Controlling interests

Changes in non-controlling interests for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in thousands):

	Non-controlling interests			
Accumulated amount as of January 1, 2022	₩ 133,136,893			
Profit for the period distributed to non-controlling interests	3,321,885			
Other comprehensive income distributed to non-controlling interests	94,526			
Others (*)	(1,519,957)			
Accumulated amount as of June 30, 2022	₩ 135,033,347			
	Non-controlling interests			
Accumulated amount as of January 1, 2021	₩ 119,903,309			
Profit for the period distributed to non-controlling interests	7,644,798			
Other comprehensive income distributed to non-controlling interests	33,690			
Others (*)	(3,660,571)			
Accumulated amount as of June 30, 2021	₩ 123,921,226			

(*) Others represent the change in amount of shares owned due to the exercise of stock warrants granted by Celltrion Pharm, Inc., a subsidiary of the Group, and also represent the change in amount of net assets in accordance with the recognition of stock warrants and acquisition of treasury stocks.

24. Uncertainty of COVID-19 effect

Various prevention and control measures including travel restrictions are being implemented worldwide to block the spread of COVID-19, and as a result, the global economy has been widely affected. Governments around the world are announcing different forms of support policies to address COVID-19.

Items affected by COVID-19 are mainly recoverability of account receivables (see Note 6), and impairment of tangible and intangible assets (see Notes 8 and 9). The Group has prepared the consolidated financial statements by reasonably estimating the impact of COVID-19 on the Group. The further spread or termination of COVID-19 in the future may affect the Group's estimates and assumptions, however, the impact therefrom is not reasonably estimable at the moment.

25. Restatement of financial statements

The interim condensed consolidated financial statements for the six-month period ended June 30, 2021 has been restated as a result of the accounting inspections performed by the Financial Service Commission regarding the accounting errors, such as overstatement of intangible assets. The effects of such restatements in the interim consolidated financial statement are as follows.

The effect of the restatements on the interim condensed on the interim condensed consolidated statements of profit of loss for the three-month and six-month periods ended June 30, 2021 are as follows (Korean won in thousands):

		the three-month periods ended June 30, 2021	For the six-month periods ended June 30, 2021		
Overstatement of cost of sales	₩	779,319	₩	2,812,678	

The effect of the restatements on the interim condensed consolidated statements of comprehensive income for the three-month and six-month periods ended June 30, 2021 are as follows (Korean won in thousands):

	Fo	For the three-month periods ended June 30, 2021				For the six-month periods ended June 30, 2021			
	Before		After		Before			After	
Sales	₩	431,769,037	₩	431,769,037	₩	888,737,834	₩	888,737,834	
Cost of sales		(192,394,627)		(191,615,308)		(352,268,387)		(349,455,709)	
Gross profit		239,374,410		240,153,729		536,469,447		539,282,125	
Selling and administrative expenses		(76,164,413)		(76,164,413)		(165,603,342)		(165,603,342)	
Operating profit		163,209,997		163,989,316		370,866,105		373,678,783	
Non-operating profit		(5,609,903)		(5,609,903)		45,690,691		45,690,691	
Loss on equity method		(1,977,617)		(1,977,617)		(2,489,950)		(2,489,951)	
Profit before income tax		155,622,477		156,401,796		414,066,846		416,879,523	
Income tax expense		(26,084,202)		(26,084,202)		(87,299,676)		(87,299,675)	
Profit for the period		129,538,275		130,317,594		326,767,170		329,579,848	

The effect of the restatements on earnings per share for the three-month and six-month periods ended June 30, 2021 are as follows (Korean won):

	For the three-month periods ended June 30, 2021				For the six-month periods ended June 30, 2021			
	Before After		Before		After			
Basic earnings per share(*)	₩	919	₩	925	₩	2,339	₩	2,359
Diluted earnings per share(*)	₩	915	₩	920	₩	2,325	₩	2,346
(*) The effect of stock dividend that added after reporting period is not included in earnings per share.								

26. Events after the reporting period