## Supplementary Materials for ESG Related Information

(3)

(June 30, 2023)

## 1. Emerging Risks (DJSI 1.4.3)

	Emerging Risk 1	Emerging Risk 2
Name of the	Emergence of disruptive new	Infringement of IP rights
emerging risk	technologies and solutions	
Category	Technological	Technological
Description	With the advancement of science,	In addition to composition of matter
	IT, and other technologies, the	and use patents that protect
	probability that disruptive	pharmaceutical products, technology
	technologies and solutions will	patents which secure intellectual
	emerge is likely to increase and	property rights are rapidly gaining in
	accelerate. For example,	importance for us compared to other
	technologies which have never	companies. Chugai's antibody
	been put to practical use, such as	engineering technologies, mid-size
	mRNA vaccines against COVID-19,	molecule technologies aimed at tough
	are now being used at a speed	targets, and other research
	unthinkable with conventional	technologies are the driver of our
	concepts based on special policy	unique and innovative drug discovery
	support from governments. As a	capabilities and vital to medium- and
	result, there is a risk that such	long-term growth.
	emerging new technologies and	However, competition is intensifying,
	solutions will pose a threat to our	and the risk of patent infringement and
	drug discovery technologies and our	disputes is increasing.
	major products and promising	Also, making predictions on the
	projects under development.	outcome of disputes becomes difficult
		due to the diversity and changing
		nature of how technology patents are
		protected in each country.
		The dispute between Alexion and
		Chugai was one such case. It was
		finally resolved through a settlement,
		but it cannot be ruled out that similar
		cases may occur in the future and we
		recognized that this risk may be
lman a at	Evoluding contingency mattered	realized in the long run.
Impact	Excluding contingency national	Any infringement or invalidation of
	measures associated with COVID-	product or technology rights will result
	19 (e.g., Operation Warp Speed in	in enormous damage to product value
	the U.S.), the emergence of	over the medium to long term and also
	disruptive new technologies and	makes it difficult to recoup

solutions that replace our products and development projects will have greater impact on the technologies and projects being researched and developed inhouse, given a certain development period and regulations. example, if a treatment can be completed in а single administration, such as gene therapy, our competing in-house projects may be affected from various perspectives, including effectiveness, convenience, and economic efficiency. The emergence of new drugs based on modalities or technologies that we do not possess may necessitate revisions to the development plans of our own products or to make additional investments in technology development.

investments. For example, a case in point is the recent new investment in the Fujieda Plant to establish a supply system for small and mid-size molecule compounds, such as the active pharmaceutical ingredients manufacturing facilities FJ2 (19.1 billion yen, for clinical studies) and FJ3 (55.5 billion yen, for clinical studies and initial commercial production).

If a dispute occurs, the costs and personnel devoted to the manufacturing sites are significant, and, over time, the cost impact would grow.

## Mitigating actions

In order to realize the new growth strategy targeting 2030, our basic policy is to pursue innovation by strengthening our own technology base through access to cuttingedge science and technology, utilizing Digital Transformation, and actively promoting external collaboration. We will continue to monitor cutting-edge science and technology, and if a new technology emerges that we don't possess but believe will have a significant impact on the value of our projects and generate synergies with our own drug discovery technology, we will actively seek to incorporate it through external alliances. Our Strategic patent applications are made globally to strengthen protection of our products and technologies through intellectual property rights.

We focus resources on and secure IP rights for high-priority R&D projects. At the same time, we actively work to secure rights outside Japan with a view to global co-development with the Roche Group.

Moreover, we are building our own database for patents related to antibody engineering technologies, which are becoming increasingly complex and sophisticated, and are using this database to plan IP strategies, including monitoring trends at other companies.

policy is not only to minimize risks	In addition, we are also actively
but also to convert them into profit-	involved in the out-licensing of
making opportunities.	technology. Offering licensable
	technologies to other companies as a
	business prevents disputes and
	contributes to sales.
	We also take appropriate action
	regarding infringements of rights and
	execute lawsuits (e.g., the case of
	Alexion Pharmaceuticals).