

Annex 5. Detailed list of variables MN-01

No.	Package	Variable/question	Basic grouping	List of admissible answers to questions	Measurement unit	Type of variable	Observation period
1	Biotechnology	Biotechnology R&D	Area of biotechnology application Expand grouping	Type of activity		Qualitative variable	year
2	Biotechnology	Biotechnology R&D	Type of applied biotechnology techniques Expand grouping	Type of activity		Qualitative variable	year
3	Research and experimental development	Financing biotechnology R&D conducted outside a reporting unit	Funds transferred to entities Expand grouping		thousand PLN	Quantitative variable	year
4	Research and experimental development	Financing biotechnology R&D conducted in a reporting unit	Intramural expenditures actually incurred Expand grouping		thousand PLN	Quantitative variable	year
5	Research and experimental development	Financing biotechnology R&D conducted in a reporting unit	Funds received from national entities Expand grouping		thousand PLN	Quantitative variable	year
6	Research and experimental development	Financing biotechnology R&D conducted in a reporting unit	Funds received from foreign entities Expand grouping		thousand PLN	Quantitative variable	year
7	Research and experimental development	Financing biotechnology R&D conducted in a reporting unit	Funds on an area of biotechnology application Expand grouping		thousand PLN	Quantitative variable	year
8	Research and experimental development	Financing biotechnology R&D conducted in a reporting unit	Funds on a type of research Expand grouping		thousand PLN	Quantitative variable	year
9	Respondent burden	Time dedicated to transferring data			minute	Quantitative variable	filling in a questionnaire
10	Respondent burden	Time dedicated to collecting data to be transferred			minute	Quantitative variable	filling in a questionnaire
11	Biotechnology	Activities undertaken by an entity in relation to COVID-19	Activities undertaken in relation to COVID-19 Expand grouping	yes/no		Qualitative variable	year
12	Research and experimental development	Financing biotechnology R&D conducted in a reporting unit	Own funds Expand grouping		thousand PLN	Quantitative variable	year
13	Biotechnology	Expenditures on creating sold results of biotechnology R&D	Source of funds Expand grouping		thousand PLN	Quantitative variable	year
14	Biotechnology	Patents in biotechnology granted by the Patent Office of the Republic of Poland			unit	Quantitative variable	year
15	Biotechnology	Patents in biotechnology granted by foreign patent offices			unit	Quantitative variable	year
16	Research and experimental development	Biotechnology R&D personnel	Number of persons employed Education level Expand grouping		headcount	Quantitative variable	31 December

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17	Research and experimental development	Biotechnology R&D personnel	Number of full-time equivalents Occupation groups (functions) Expand grouping		headcount	Quantitative variable	year
18	Biotechnology	Planned submission of patent applications in biotechnology to foreign patent offices			unit	Quantitative variable	year
19	Biotechnology	Revenue from sales of biotechnology R&D results			thousand PLN	Quantitative variable	year
20	Biotechnology	Scientific publications in biotechnology			year	Quantitative variable	year
21	Biotechnology	Awarded academic degrees in biotechnology	Field of science and art Academic degree Age Sex Expand grouping		headcount	Quantitative variable	year
22	Biotechnology	Research co-operation in biotechnology R&D	Sector Expand grouping		unit	Quantitative variable	year
23	Biotechnology	Purchase of patents and licences in biotechnology	Source of purchase Expand grouping		unit	Quantitative variable	year
24	Biotechnology	Patent applications in biotechnology filled with foreign patent offices			unit	Quantitative variable	year
25	Biotechnology	Patent application in biotechnology filled with the Patent Office of the Republic of Poland			unit	Quantitative variable	year
26	Research and experimental development	Biotechnology R&D personnel	Number of persons Occupation groups (functions) Expand grouping		headcount	Quantitative variable	31 December