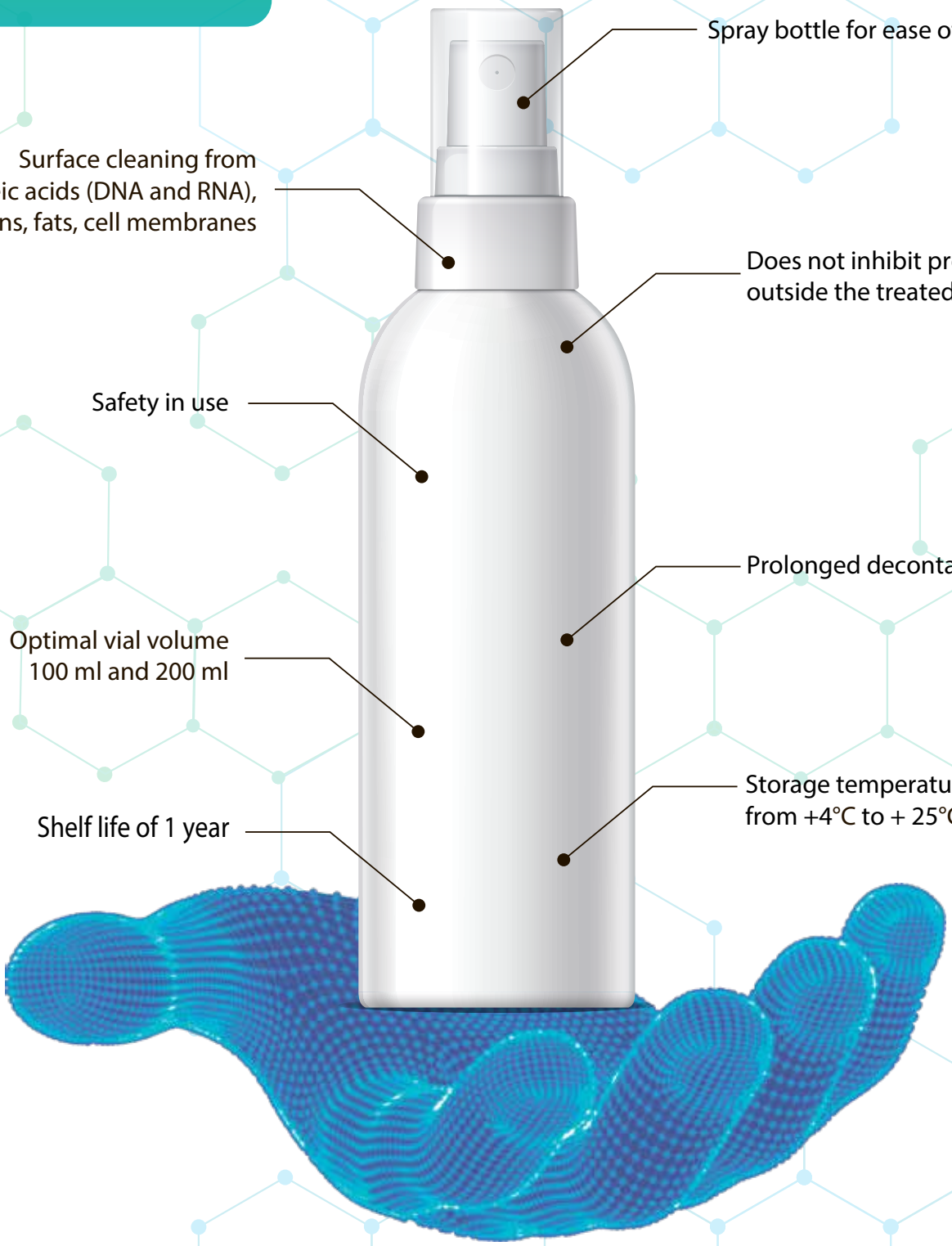
GBM Decontaminator

Solution for deep cleaning of surfaces from biological objects

Contamination STOP!



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GBM Decontaminator

Solution for deep cleaning of surfaces from biological objects

GBM Decontaminator is designed to solve the problem of contamination in the work of laboratories of various profiles, in particular PCR laboratories, as well as molecular genetic and research laboratories. It allows you to process not only work surfaces (laminar boxes, hoods, work tables), but also the equipment itself, including pipetmans, PCR analyzers, etc.

GBM Decontaminator is complex aqua compounds that can clean working surfaces from such objects as nucleic acid, proteins, fats, cell membranes, etc., by oxidizing them with an active form of oxygen, stabilized in solution.

Method of application: spray onto the surface to be cleaned, grind and remove excess liquid with a cotton swab. When used correctly, the solution does not leave traces, does not damage surfaces and does not inhibit PCR. The solution is safe to work and use in a laboratory environment.

GBM Decontaminator acts immediately after application, has a prolonged effect, in addition, during the development, a unique property of the solution was realized - the activation of its components under the influence of UV under laboratory conditions. In this case, the effectiveness of the solution increases by orders of magnitude.

Results of a model experiment to assess the efficiency of surface decontamination from DNA fragments using a GBM Decontaminator solution in a laminar box

Time after processing, min	Single application of GBM Decontaminator			
	No additional UV exposure		With additional UV exposure under laminar conditions	
	ΔCt (Ct after processing - Ct before processing), cycles	Reducing the concentration of the pollutant (DNA), calculated fold	ΔCt (Ct after processing - Ct before processing), cycles	Reducing the concentration of the pollutant (DNA), calculated fold
10	5	28	8	210
20	7	107	13	5 890
30*	**9**	**405**	**17**	**85 230**
60	10	795	18	166 000

* optimal ratio of processing time to decontamination efficiency with GBM Decontaminator

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