Biomedical Innovations LLC

DNArid

DNArid is a two-component kit of reagents designed for chemical degradation of amplified, genomic and other DNA on different surfaces.

Stick to the the manual to achieve the best results ever.

Working surfaces decontamination:

To decontaminate the surface, apply two spray bottles found in the kit simultaneously. Bottle components get activated only in contact with each other. Only activated components cause rapid DNA degradation.

1. Before using, mix the contents of two spray bottles by turning them over (do not open the bottles).

2. When using for the first time, unlock the trigger on both spray bottles by pressing the side round button on either trigger. See bottle design in Fig. 1.

3. Spray **bottle #1** contents onto contaminated area and immediately apply the same amount from **bottle #2**. For example, if the contaminated area is not large, apply a single click on **bottle #1** trigger to spray the necessary amount of reagent. Then spray **bottle #2** contents onto the same area with a single click on the trigger. The volume ratio of liquids sprayed from **bottle #1** and **bottle #2** should be 1:1.

4. Incubate for 5-15 minutes depending on expected degree of contamination.

5. The area is decontaminated. Perform the standard cleaning procedure to remove the reagents residue.

6. When dealing with heavy contamination, perform two consecutive DNArid decontamination procedures. In this case, after the first incubation in №5, wipe the surface with a clean (non-contaminated) lint-free wiper. Then go to №3 and follow the instruction. Clean routinely after the second incubation.

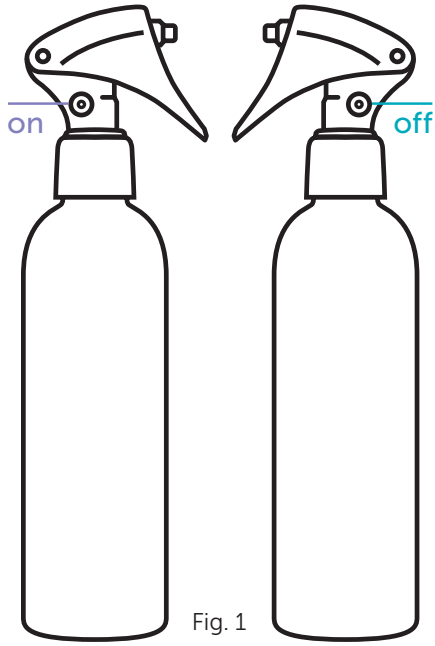

Fig. 1

Specific use for clothes decontamination:

Decontaminate your cloths only in case of insistent need. As a rule, DNArid is not fraught with damaging fabric pigments or fiber. However, in order to avoid damaging your clothing make sure that DNArid is compatible with a particular fabric. Do it on an invisible site of your clothing. After being treated the clothes should be washed. If you need to continue work in the treated clothing before it is washed, it should be dried out before skin contact.

Specific use for hand skin decontamination:

DNArid was specifically developed to decontaminate skin and to be well-tolerated by skin. However, full and complete DNA degradation requires relatively tough conditions. Therefore, we do not recommend exposing skin to the reagent frequently. Apply it only when absolutely necessary and with care.

To decontaminate hand skin, follow the standard procedure described above. To avoid skin injury, make sure to adhere to the correct order you apply the reagent. Never apply DNArid on injured skin.

When applying **bottle #2** contents on hand skin (strictly after applying **bottle #1** contents) you can feel some burning sensation. There is no significant danger to skin; nevertheless, wash the treated area with soap and plenty of water at the earliest opportunity.

Specific use for large areas decontamination:

In case of extensive cleaning, please wear respirators and protective glasses.

To order large volume of sprays for extensive decontamination, please contact us directly.

More info on safety and application:

Avoid mixing DNArid with other reagents (apart from PCR reactive mixtures and reverse transcription reaction).

All the components are odorless. However, when contacting other reagents new compounds with a particular smell can be formed. It is not dangerous when using DNArid properly and following the instruction.

DNArid cannot be used as alternative to DNAase in solutions. It cannot be used as a component of molecular biological or biochemical reactions.

RNA is destroyed by DNArid as effectively as DNA. Therefore, you can apply it for RNA-decontamination.

However, DNArid cannot be used for RNAse decontamination.

Do not allow the reagent to enter mucous membrane, eyes and respiratory tract. When getting into mucous membranes, eyes or injured skin, wash with plenty of water. Consult a doctor if necessary.

DNArid is compatible with aluminum and other soft metals as well as plastics.

pH: bottle #1 - 3.9-4.1, bottle #2 - 2.9-3.5.

Storage conditions and shelf-life:

Keep DNArid at room temperature. It is stable at room temperature for at least 6 months from date of manufacture. Storing at 2-8^{0}C prolongs shelf-life.

Avoid DNArid freezing or exposing to high temperatures.

Do not open spray bottles to prevent foreign agents into solutions.

Biomedical Innovations LLC

Manufacturer:

«Biomedical Innovations», LLC

Room 35, 183G Krepostnoy ln., Rostov-on-Don, Russia 344022