SINFOR

Device for the biological samples collection with a closure system that prevents formol leakage.

Description and main features

This technology consists in a propylene container with central pleats that may be used to collect a wide variety of samples and that may be filled with the solvents and/or reagents needed for processing them without leakages protecting the handler from the exposure to the splashes or inhalation of toxic substances, including protection during carving and/or analysis.
The smallest containers may be used for collecting samples from biopsies, bone marrow cylinders, fetuses among others, using the formaldehyde bags which are currently available in the market. Larger containers may be used for tumours, autopsies, etc, using a rack dolly and formaldehyde decanters to facilitate transportation of samples.

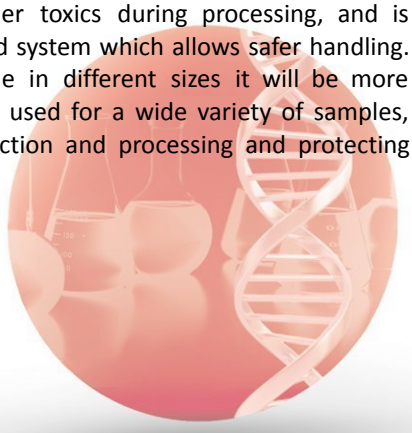
The container can be operated by connecting the anti-reflux valve to the tank containing the sample and pulling its corners generating a negative pressure that will force the solvent/reagent into the tank.

When the containers filled with the biological sample and formaldehyde are received in the pathology service, the handler will connect the anti-reflux valve to the tap and the anti-reflux valve in the bottom may be connected to another container for waste collection as recommended by safety induction manuals.

The internal grid of the container will prevent leakages in every biological sample processing.

Competitive advantages

This novel device can be easily and handily stored. Furthermore, it doesn't require a large amount of formaldehyde or other toxics during processing, and is provided with a closed system which allows safer handling. As it will be available in different sizes it will be more versatile, as it can be used for a wide variety of samples, facilitating their collection and processing and protecting the handler.



Type of collaboration sought

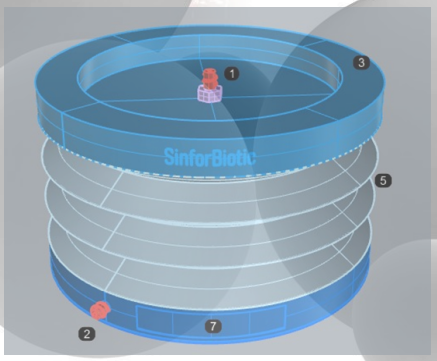
Cooperation is sought with any Party interested in partnering, licensing or investing in the technology, whether it be an investor to fund the project, a partner interested in getting involved in any of the various phases until its placement on the market, a patent licensee, etc. Organisations potentially interested in this technology are those within the pharmaceutical area.

Current stage of development

We are developing a minimum operating prototype.

Current state of intellectual/industrial property

Spanish patent filed on 15/07/2022. Patent application number P202230651.



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Technology Offer from the Foundation for Biomedical Research of La Paz University Hospital