

Information Sheet for BioMedicure's Products

Tumorase™ Cancer Vaccine Kit

BioMedicure Number:	TK-110	Price:	\$799.99
Tumorase™(TK-110-1):	10 mL		
Buffer A (TK-110-2):	100 mL		
Buffer B (TK-110-3)	10 mL		
Functions:	Make cancer vaccine		
Manufacturer:	BioMedicure		
Shipped:	Frozen		

Product General Statement

Please read MSDS (shipped with product) first before using this product. Tumorase™ is intended to be used for research purposes only. It is not to be used for drug or diagnostic purposes, nor is it intended for human use. BioMedicure products may not be resold, modified for resale, or used to manufacture commercial products without the written approval of BioMedicure.

Tumorase™ Function

Tumorase™ is a proprietary product developed by BioMedicure for solid-tumor biochemotherapy and manufacturing whole-cell "giant liposome" cancer vaccines. BioMedicure was able to use the product to eliminate human solid tumors in nude mice models. BioMedicure has Eliminated over 100 solid tumors including those originated from human melanoma, breast adenocarcinoma, breast ductal carcinoma, colon adenocarcinoma, prostate carcinoma, and bronchioalveolar carcinomas successfully (please read literature from resources for more detailed information) . Since the elimination of solid-tumor is not related to T-cell induction, Tumorase™ can be used for other solid-tumor eliminations through destruction of their solid structures and killing all cancer cells including cancer stem cells locally.

Tumorase™ Cancer Vaccine™ Kit Function

Tumorase™ can be used to kill tissue-cultured cancer cells or enriched cancer stem cell generated "solid-

tumor" *in vitro* or tumor tissue from an individual. This kit can be employed to treat cancer cells or tumor tissues and to make whole-cell "giant liposome" cancer vaccines to meet the unmet needs is safety and efficacy requirements in a cancer vaccine.

A. Safety

These cancer vaccines are harmless since Tumorase™ kills all cancer cells, including cancer stem cells, with intact cell membrane preserving cancer cell specific antigens.

B. Efficacy

These cancer vaccines enhance antigen presentation processes since they do not have any self-recognition molecular patterns on the surface of each "giant liposome". After vaccination, professional antigen presenters including macrophages and dendritic cells will engulf one "giant liposome" at a time, digest all antigens in the "giant liposome" and present to the immune system to record or memorize each cancer cell or tumor specific antigens in B-cells with the help of T-cells to eliminate self-fragments. The heterogeneous population of thousands of "giant liposomes" will enable the immune system to get most, if not all, cancer cell or tumor specific antigen information and make cancer cell or tumor

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specific polyclonal antibodies to kill pre-cancer cells and cancer cells including cancer stem cells. When cancer cells or the tumor tissue are used to make the cancer vaccine have sufficient antigens and the immunization is optimized, 100% immune response against cancer cells may be achieved as seen in BioMedicare's wild-type mouse melanoma model.

Usage

(Detailed procedure will be shipped with product.)

This kit can be used to make whole cell giant liposome cancer vaccines from tissue-cultured cancer cells, either from cancer cell lines or enriched cancer stem cells. It may also be used to make whole cell giant liposome cancer vaccines from tumor tissues or normal cells serving as an control.

Storage

When received, it is recommended to store Tumorase™ at -20°C until use. Under these storage conditions the activity will be maintained for one year. Once opened store unused portion at -20°C for future use. It is recommended that the unused portion be aliquoted before freezing. Repeated freeze and thaw cycles may decrease the biological activity. Buffer A and Buffer B may be stored at 4°C for one year.

Use Restrictions

This product is distributed for research purposes only. BioMedicare recommends that individuals contemplating commercial use of any Tumorase™ and its cancer vaccine kit products first contact BioMedicare for potential licensing agreement. Buyers are the second party end users of this product. Any distribution of this product to a third party is strictly prohibited.

Handling Frozen Product

To insure the highest level of efficacy, thaw the vial at room temperature or 37°C right before use. If upon arrival, continued storage of the frozen

product is necessary, it should be stored in freezer at -20°C.

SAFETY PRECAUTION: BioMedicare highly recommends that protective gloves and clothing always be used when handling frozen tubes.

Additional Information

Additional product and technical information can be obtained from the catalog references and the BioMedicare Web site at www.biomedicare.com, or by email at tumorase@biomedicare.com.

BioMedicare Warranty

The efficacy of BioMedicare products is warranted for 30 days from the date of shipment. If you feel there is a problem with this product, contact Technical Services by phone at 858-586-1888 or by email at tumorase@biomedicare.com.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in any regulatory area or subjects including humans.

While BioMedicare uses reasonable efforts to include accurate and up to date information on this product sheet, BioMedicare makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. BioMedicare does not warrant that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling and use. BioMedicare is not liable for any damages or injuries arising for receipt and/or use of this product.

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