

# Information Sheet for BioMedicure's Products

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## Tumorase™ Products

<b>BioMedicure Number:</b>	<b>T-101</b>	<b>Price:</b>	<b>\$99.99</b>
<b>Unit Size:</b>	<b>1.0 mL</b>		
<b>Functions:</b>	Biochemotherapy agent for solid tumor elimination and killing cancer cells locally		
<b>Manufacturer:</b>	BioMedicure		
<b>Shipped:</b>	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 written approval of BioMedicure.

### Product Function

Tumorase™ is a proprietary product developed by BioMedicure for solid-tumor biochemotherapy. BioMedicure was able to use the product to eliminate human solid tumors in nude mice models. Eliminated over 100 solid tumors include 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.

Since it is not yet approved by FDA or any other regulatory agency, Tumorase™ is designated for research purposes only.

Tumorase™ destroys a solid tumor by digesting the solid-structure of the tumor and killing cancer cells, including cancer stem cells, locally.

### Usage

The best route of the Tumorase™ biochemotherapy is intratumoral delivery by a needle with a gauge 20-27. Before Tumorase™ intratumoral delivery, a tumor volume is estimated by 3-dimensional measurement and calculation:  $L \times W \times H$  in  $\text{mm}^3$ , where "L" is the solid-tumor length, "W" solid-tumor width and "H" solid-tumor height. Tumorase™ works best when 80% of the solid-tumor volume worth of Tumorase™ is intratumorally delivered slowly at a rate of 200  $\mu\text{L}$  per minute for solid-tumors of volume from 50-400  $\text{mm}^3$ . Since inhibitory factors in serum inhibit the activity of Tumorase™, the success rate of eliminating a solid-tumor is high (over 70%). However, for the same reason, the success rate of eliminating a highly vascularized soft or liquid tumor is low (below 30%).

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**BioMedicure**

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## Storage

When received, it is recommended to store 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-thaw may decrease the biological activity.

## Use Restrictions

This product is distributed for research purposes only. BioMedicure recommends that individuals contemplating commercial use of any Tumorase™ products first contact BioMedicure 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:** BioMedicure 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 BioMedicure Web site at [www.biomedicure.com](http://www.biomedicure.com), or by email at [tumorase@biomedicure.com](mailto:tumorase@biomedicure.com).

## BioMedicure Warranty

The efficacy of BioMedicure 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@biomedicure.com](mailto:tumorase@biomedicure.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 BioMedicure uses reasonable efforts to include accurate and up to date information on this product sheet, BioMedicure makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. BioMedicure 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. BioMedicure is not liable for any damages or injuries arising for receipt and/or use of this product.

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