

## Information Sheet for BioMedicure's Products

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### Human Glioblastoma/Astrocytoma CancerVaccine™

<b>BioMedicure Number:</b>	<b>CV-014-3</b>	<b>Price:</b>	<b>\$899.99</b>
<b>Designations:</b>	V-014		
<b>Unit Size:</b>	600 µL		
<b>Producer:</b>	BioMedicure		
<b>Biosafety level:</b>	0	<b>Use Restrictions</b>	
<b>Shipped:</b>	Frozen	These cells are distributed for research purposes only. BioMedicure recommends that individuals contemplating commercial use of any enriched CancerStemCell™ 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.	
<b>Organism:</b>	<i>Homo sapiens</i>		
<b>Target disease:</b>	Glioblastoma/ astrocytoma, brain		
<b>Growth Properties:</b>	Non-viable	<b>Biosafety Level: 0</b>	
<b>Tumorigenic <i>in vitro</i>:</b>	No	Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publications: <i>Biosafety in Microbiological and Biomedical Laboratories</i> , 4 <sup>th</sup> ed. HHS Publication No. (CDC) 93-8395. U.S. Department of Health and Human Services, Centers for Disease Control and Prevention. Washington DC: U.S. Government Printing Office: 1999.	
<b>Tumorigenic <i>in vivo</i>:</b>	No	The entire text is available online at <a href="http://www.cdc.gov/od/ohs/biosfty/bmbl4/bmbl4toc.htm">www.cdc.gov/od/ohs/biosfty/bmbl4/bmbl4toc.htm</a>	
<b>Toxicity:</b>	None		
<b>Heterogeneous:</b>	Yes		
<b>Preventive Cancer:</b>	Glioblastoma/ astrocytoma, brain	<b>Handling Procedure for Frozen CancerVaccine™</b>	
<b>Paired CancerStemCell™:</b>	CSC-014	To insure the highest level of efficacy, thaw the vial and initiate the vaccination within half an hour. If upon arrival, continued storage of the frozen CancerVaccine™ is necessary, it should be stored at -20°C. Storage at -70°C or lower temperature is not required. Storage at room temperature or 4-8°C not recommended as will result in antigen loss leading to reduced efficacy in immune response.	
<b>Molecular recognition patterns:</b>	None		
<b>Genomic background:</b>	Human	<b>SAFETY PRECAUTION:</b> BioMedicure highly recommends that protective gloves and clothing always be used.	
<b>Antigens:</b>	Diverse		
<b>Immune response rate:</b>	100%		

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**BioMedicure**

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## Vaccination Schedule:

Day 1 and day 15

The first vaccination is mostly for antigen presentation and memory and polyclonal antibody production. The second vaccination will synergize immune components including polyclonal antibody, lymphocytes, interleukin and various cytokines to mount attacks against multiple types of cancerous cells including pre-cancer cells, cancer cells, metastasized cancer cells and cancer stem cells.

## Vaccination Protocol

1. Read user's manual for instructions.
2. Label unvaccinated mice with ear punch or other methods.
3. Thaw the vial by a gentle agitation. Thawing should be rapid (within half an hour).
4. Using 1-2 mL syringes with clear marks on 100 uL and a 25-27 gauge needle.
5. The site of vaccination may be shaved so the sub-Q vaccination is not interfered with by fur.
6. Inject 100 uL CancerVaccine™ by sub-Q.
7. Push syringe slowly (30 seconds for 100 uL) to give optimal sub-Q presentation.

## 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 [cv@biomedicure.com](mailto:cv@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 [cv@biomedicure.com](mailto:cv@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 human beings.

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. While reasonable effort is made to insure authenticity and reliability of strains on deposit, BioMedicure is not liable for damages arising from the misidentification or misrepresentation of cultures.

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