



# CERTIFICATE OF MATERIAL ORIGIN

Date: 10/27/2017

Revision: 02

**Product:** Phosphate Buffered Saline (PBS) 10x

<b>Supplier</b>	Advanced BioMatrix, Inc.
<b>Supplier Catalog No.</b>	5076
<b>Supplier Location</b>	California, USA
<b>Name/Grade</b>	Phosphate Buffered Saline (PBS) 10x
<b>Animal Origin (including human)</b>	
-Animal Species	Not applicable
-Tissue Origin	Not applicable
-County of Origin	Not applicable
<b>Non-animal Source of Origin</b>	
-Country of Origin	United States
<b>Animal Origin Material Adventitious Agent Risk Reduction Steps</b>	Not applicable
<b>Method of Manufacturing</b>	Dissolution
<b>Briefly describe Method of Manufacturing</b>	Phosphate-buffered saline (PBS) is a water-based salt solution containing sodium phosphate, sodium chloride and, in some formulations, it contains potassium chloride and potassium phosphate. The osmolality and ion concentrations of the solutions match those of the human body (isotonic) and are non-toxic to most cells.

The above information has been completed by an authorized representative of management and is complete and correct to my knowledge.

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**President**

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**October 27, 2017**

**Corporate Headquarters**  
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