



CERTIFICATE OF MATERIAL ORIGIN

Date: 10/27/2017

Revision: 02

Product: Phosphate Buffered Saline (PBS) 10x

Supplier	Advanced BioMatrix, Inc.
Supplier Catalog No.	5076
Supplier Location	California, USA
Name/Grade	Phosphate Buffered Saline (PBS) 10x
Animal Origin (including human)	
-Animal Species	Not applicable
-Tissue Origin	Not applicable
-County of Origin	Not applicable
Non-animal Source of Origin	
-Country of Origin	United States
Animal Origin Material Adventitious Agent Risk Reduction Steps	Not applicable
Method of Manufacturing	Dissolution
Briefly describe Method of Manufacturing	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.

President

October 27, 2017

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