

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM396641

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
Arteriocyte Medical Systems, Inc.		08/29/2016	Corporation: DELAWARE
RECEIVING PARTY DATA			
Name:	Twin Brook Capital Partners, LLC, as Agent		
Street Address:	300 South Wacker Drive, Suite 3500		
City:	Chicago		
State/Country:	ILLINOIS		
Postal Code:	60606		
Entity Type:	Limited Liability Company: DELAWARE		
PROPERTY NUMBERS Total: 6			
Property Type	Number	Word Mark	
Registration Number:	2900650	MAGELLAN	
Registration Number:	3854317	ARTERIOCYTE MEDICAL SYSTEMS	
Registration Number:	3779173	EQUINE-STEM	
Serial Number:	77921667	MAR01	
Registration Number:	4505555	MAR01	
Serial Number:	86509832	TRUPRP	
CORRESPONDENCE DATA			
Fax Number:	3129021061		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>			
Phone:	312.577.8034		
Email:	oscar.ruiz@kattenlaw.com		
Correspondent Name:	Oscar Ruiz c/o Katten Muchin Rosenman		
Address Line 1:	525 West Monroe Street		
Address Line 4:	Chicago, ILLINOIS 60661		
ATTORNEY DOCKET NUMBER:	386565-28		
NAME OF SUBMITTER:	Oscar Ruiz		
SIGNATURE:	/Oscar Ruiz/		
DATE SIGNED:	08/29/2016		

CH \$165.00 2900650

Total Attachments: 5

source=TSA#page1.tif

source=TSA#page2.tif

source=TSA#page3.tif

source=TSA#page4.tif

source=TSA#page5.tif

TRADEMARK SECURITY AGREEMENT

THIS TRADEMARK SECURITY AGREEMENT (this “**Agreement**”) made as of this 29th day of August, 2016 by **ARTERIOCYTE MEDICAL SYSTEMS, INC.**, a Delaware corporation (“**Grantor**”), in favor of **TWIN BROOK CAPITAL PARTNERS, LLC**, in its capacity as Agent for the Lenders (as defined in the Credit Agreement referenced below) (in such capacity, “**Grantee**”):

W I T N E S S E T H

WHEREAS, Grantor (together each other Person who executes a joinder agreement in form and substance satisfactory to Agent and Administrative Borrower and becomes a “**Borrower**” thereunder with the consent of Agent and Administrative Borrower, the “**Borrowers**”), Arterioocyte Medical Systems Holdings, Inc., a Delaware company (“**Holdings**”), the financial institutions party thereto from time to time as Lenders and Grantee have entered into a certain Credit Agreement dated as of August 29, 2016 (as amended, restated, supplemented or otherwise modified from time to time, the “**Credit Agreement**”), pursuant to which Grantee and Lenders have agreed, subject to the terms and conditions thereof, to make certain loans to, and other credit accommodations in favor of, Borrowers (collectively, the “**Loans**”).

WHEREAS, pursuant to the terms of a certain Guarantee and Collateral Agreement of August 29, 2016, by and among Grantee, Grantor and certain Affiliates of Grantor (as the same may be amended, restated, supplemented or otherwise modified from time to time, the “**Guarantee and Collateral Agreement**”), Grantor has granted to Grantee, for its benefit and the benefit of Lenders, a security interest and lien upon substantially all assets of Grantor, including all right, title and interest of Grantor in, to and under all now owned and hereafter acquired Trademarks (as defined in the Guarantee and Collateral Agreement including registrations and applications therefore), together with the goodwill of the business symbolized by Grantor’s Trademarks, and all products and proceeds thereof, to secure the payment of all amounts owing by Borrowers under the Credit Agreement.

NOW, THEREFORE, in consideration of the premises set forth herein and for other good and valuable consideration, receipt and sufficiency of which are hereby acknowledged, Grantor agrees as follows:

1. Incorporation of Credit Agreement and Guarantee and Collateral Agreement. The Credit Agreement and the Guarantee and Collateral Agreement and the terms and provisions thereof are hereby incorporated herein in their entirety by this reference thereto. All capitalized terms used herein but not otherwise defined herein shall have the respective meanings ascribed to such terms in the Guarantee and Collateral Agreement. In the event of a conflict between a provision of the Guarantee and Collateral Agreement and a provision of this Agreement, the provision of the Guarantee and Collateral Agreement shall control.

2. Grant and Reaffirmation of Grant of Security Interests. To secure the payment and performance of the Secured Obligations, Grantor hereby grants to Grantee, for its benefit and the benefit of Lenders, and hereby reaffirms its prior grant pursuant to the Guarantee and Collateral Agreement of, a continuing security interest in Grantor’s entire right, title and interest in and to the following (all of the following items or types of property being herein collectively referred to as the “**Trademark Collateral**”), whether now owned or existing or hereafter created, acquired or arising (to the extent not constituting Excluded Property):

(i) each Trademark listed on Schedule A annexed hereto, together with any reissues, continuations or extensions thereof, and all of the goodwill of the business connected with the use of, and symbolized by, each such Trademark; and

(ii) all products and proceeds of the foregoing, including without limitation, any claim by Grantor against third parties for past, present or future (a) infringement or dilution of each such Trademark, or (b) injury to the goodwill associated with each such Trademark.

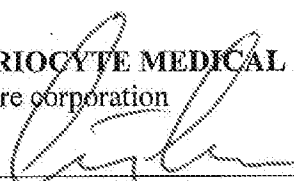
3. Intent-To-Use Trademarks. Notwithstanding the foregoing, and solely to the extent, if any, that, and solely during the period, if any, in which the grant of a security interest therein would impair the validity or enforceability of any registration that issues from such intent-to-use application under applicable federal law, the Trademark Collateral shall not include any applications filed in the United States Patent and Trademark Office to register trademarks or service marks on the basis of any Grantor's "intent to use" such trademarks or service marks unless and until the filing of a "Statement of Use" or "Amendment to Allege Use" has been filed and accepted, whereupon such applications shall be automatically subject to the security interest granted herein.

4. Governing Law. This Trademark Security Agreement is made under and governed by the laws of the State of New York applicable to contracts made and to be performed entirely within such State, without regard to conflicts of laws principles.

- Remainder of Page Intentionally Left Blank; Signature Page Follows -

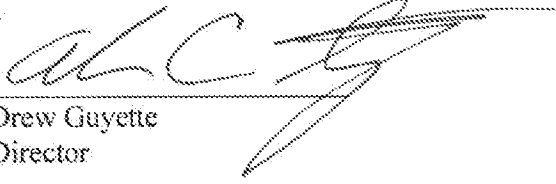
IN WITNESS WHEREOF, Grantor has duly executed this Agreement as of the date first written above.

ARTERIOCYTE MEDICAL SYSTEMS, INC., a
Delaware corporation

By: 
Name: Anthony Chambers
Title: Vice President

Agreed and Accepted
As of the Date First Written Above:

TWIN BROOK CAPITAL PARTNERS, LLC,
as Agent

By: 
Name: Drew Guyette
Title: Director

SCHEDULE A

Trademark Title	Trademark Serial Number	Trademark Registration Number	Date of Application	Date of Registration
Magellan	78170530	2,900,650	10/3/02	11/2/04
Arteriocyte Medical Systems	77534584	3,854,317	7/30/08	9/28/10
Equine-Stem	77654586	3,779,173	1/22/09	4/20/10
Marol	77921667	N/A	1/27/10	N/A
Mar01	77921719	4,505,555	1/27/10	4/1/14
TruPRP	86509832	N/A	1/21/15	N/A