

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Johan C. Kapteyn</td><td>10/05/2008</td></tr><tr><td>Fija M. Lagerwerf</td><td>10/13/2008</td></tr></tbody></table>	Name	Execution Date	Johan C. Kapteyn	10/05/2008	Fija M. Lagerwerf	10/13/2008	
Name	Execution Date						
Johan C. Kapteyn	10/05/2008						
Fija M. Lagerwerf	10/13/2008						
RECEIVING PARTY DATA							
Name:	Crucell Holland B.V.						
Street Address:	Archimedesweg 4						
City:	Leiden						
State/Country:	NETHERLANDS						
Postal Code:	2333 CN						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11119631</td></tr></tbody></table>	Property Type	Number	Application Number:	11119631			
Property Type	Number						
Application Number:	11119631						
CORRESPONDENCE DATA							
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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ATTORNEY DOCKET NUMBER:	2578-7171US						
NAME OF SUBMITTER:	Allen C. Turner						
Total Attachments: 2 source=DOC149#page1.tif source=DOC149#page2.tif							

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**ASSIGNMENT**

**FOR GOOD AND VALUABLE CONSIDERATION**, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned ASSIGNOR does hereby:

**SELL, ASSIGN AND TRANSFER** to Crucell Holland B.V. ("ASSIGNEE"), an entity of The Netherlands having a place of business at Archimedesweg 4, Leiden, 2333 CN, The Netherlands, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the Application for United States Letters Patent Serial No. 11/119,631 filed on May 02, 2005, and entitled **NOVEL ASSAY FOR THE SEPARATION AND QUANTIFICATION OF HEMAGGLUTININ ANTIGENS**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof which have been or may be filed in the United States and all foreign countries relating to any of such improvements; all original, reexamined and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application made in the United States;

**AUTHORIZE** the ASSIGNEE to apply for and receive any and all United States and foreign patents relating to such improvements in its own name;

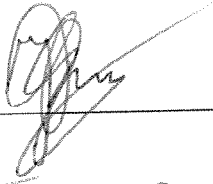
**AUTHORIZE AND REQUEST** the issuing authority to issue any and all United States and foreign patents granted on such improvements to and in the name of the ASSIGNEE;

**WARRANT AND COVENANT** that no assignment, grant, mortgage, license or other agreement or encumbrance affecting the rights and property herein conveyed has been or will be made or entered into by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

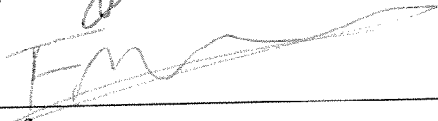
**COVENANT**, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications relating to any and all such improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to the ASSIGNEE all facts and provide to the ASSIGNEE all documents and things known and accessible to the undersigned relating to such improvements and the history thereof, and testify as to the same in any interference, litigation or other proceeding relating thereto; and generally to do everything possible which the ASSIGNEE shall consider desirable for vesting title to such improvements in the ASSIGNEE, and to secure, maintain, defend and enforce valid and enforceable patent protection for such improvements;

**AGREE** and **ACKNOWLEDGE** that the **SALE, ASSIGNMENT AND TRANSFER** of rights and property set forth herein is and shall be **IRREVOCABLE** and **BINDING** upon the heirs, assigns, representatives and successors of each undersigned **ASSIGNOR** and **EXTEND** to the successors, assigns and nominees of the **ASSIGNEE**.

**ASSIGNORS:**

  
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Johan C. Kapteyn

Date OCT, 5, 2008

  
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Fija M. Lagerwerf

Date Oct 13, 2008

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