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U.S. PTO 12/587136 10/02/2009

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## PATENTS ONL'

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Name of conveying party(ies):  Johan C. Kapteyn  Fija M. Lagerwerf	Name and address of receiving party(ies)  Name: Crucell Holland B.V.  Address: Archimedesweg 4, 2333 CN Leiden, The Netherlands
Additional name of conveying party(ies) attached?   3. Nature of conveyance:  Execution Date(s) March 3, 2005; March 3, 2005  Assignment	Additional Name(s) & address(es) attached?   CERTIFICATE OF MAILING  Express Mail Label Number:   EM331967843US  Date of Deposit:   October 2, 2009  Person Making Deposit:   Michelle Williams
<ul> <li>4. Application number(s) or patent number(s):</li> <li>A. Patent Application No.(s)</li> <li>Additional numbers atta</li> </ul>	This document is being filed together with a new application.  B. Patent No.(s)  ached? □ Yes ☑ No
5. Name and address of party to whom correspondence concerning this document should be mailed:	6. Total number of applications and patents involved: 1
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Allen C. Turner 33,041	sheet, attachments, and documents 3

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## ASSIGNMENT

In consideration of One U.S. Dollar (\$ 1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned (hereinafter called "Assignor"),

KAPTEYN, Johan Christiaan, Akeleistraat 32, 6707 BZ Wageningen, The Netherlands LAGERWERF, Fija Maria, Touwslager 10, 2353 WZ Leiderdorp, The Netherlands

hereby sell, assign and transfer all rights accruing from the International Patent Applications (hereinafter called "International Applications"):

International Patent Application Serial No.: PCT/EP2005/050957

Filed: 03 March 2005

As Attorney Docket No.: 0101 WO 00 ORD

Title: Novel assay for the separation and quantification of hemagglutinins antigents

to Crucell Holland B.V., a corporation organized and existing under the laws of The Netherlands, having a place of business at Archimedesweg 4, Leiden, 2333 CN, The Netherlands (hereinafter called the "Assignee"), its successors, assigns and legal representatives,

"ALL RIGHTS ACCRUING FROM THE INTERNATIONAL PATENT APPLICATIONS" include, inter alia, any and all inventions disclosed in the International Applications, and any and all improvements of these inventions, and all priority rights of the International Applications, and any and all International, Regional and National Patent Applications (hereinafter called the "Applications") which have been or will be filed in the United States and all foreign countries on any of said inventions and improvements, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted for and on the International Applications and the Applications, and any and all divisions, continuations, and continuations-in-part of the International Applications and the Applications or relssues or extensions of the International Applications and the Applications or Letters Patent, and all rights under International Convention for the Protection of Industrial Property, and the full exclusive benefits thereof, and all rights, privileges and advantages appertaining thereto, including any and all rights to damages, profits or recoveries of any nature for past infringement of said Letters Patent, and the payment of any and all maintenance fees, taxes, and the like.

ASSIGNOR hereby covenants that Assignor has full right to convey the entire interest herein being assigned an represents that Assignor has not executed and will not execute any agreement inconsistent with this Assignment or to the detriment of the patents, applications, inventions, and improvements being assigned hereby.

PATENT REEL: 023368 FRAME: 0589

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Melanie Custers-van Spronsen

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successor, legal representatives and assigns, that, at the time of execution and delivery of these presents, Assignor has good and full right and lawful authority to sell and convey all rights accruing

AND for the same consideration, Assignor hereby covenant and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will, whenever counsel of Assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceedings in connection with said inventions, or that any division, continuation or continuation-in-part of any Letters Patent, to be obtained therein, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to Assignor, its successors, legal representatives and assigns, but at the cost and expense of the Assignee, its successors, legal representatives and assigns.

Date 3 March 2005 Assignor: KAPTEYN, Johan Christiaan Witnessed by:

from the International Applications in the manner herein set forth.

Date 3 March 2005 Assignor: LAGERWERF, Fija Maria Witnessed by:

Melanie Custers-van Spronsen

Date 3 March 2005 Assignee: Crucell Holland B.V. Witnessed by

Printed name: Ronald H.P. BRUS Melanie Custers-van Spronsen

Printed title: President & CEO

PATENT REEL: 023368 FRAME: 0590

**RECORDED: 10/02/2009**