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(54) **Screening and treatment methods for prevention of preterm delivery**

(57) Provided herein are methods, combinations, and kits for screening and treating a subject. In practicing the methods a sample, such as urine, blood, plasma, saliva, cervical fluid, vaginal fluid or a tissue sample, is obtained from a subject; if the level of a marker, such as

a foetal restricted antigen or estriol, is indicative of a risk of imminent or preterm delivery, a progestational agent is administered to the subject. BY virtue of administration of the agent delivery can be delayed.

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EUROPEAN SEARCH REPORT

Application Number
EP 08 00 5572

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	<p>YEMINI M ET AL: "Prevention of premature labor by 17 alpha-hydroxyprogesterone caproate." AMERICAN JOURNAL OF OBSTETRICS AND GYNECOLOGY 1 MAR 1985, vol. 151, no. 5, 1 March 1985 (1985-03-01), pages 574-577, XP008100826 ISSN: 0002-9378 * page 574, right-hand column, paragraph 2 - page 575, left-hand column, paragraph 1 * * page 576, left-hand column, paragraph 2 - page 577, left-hand column, paragraph 1 *</p>	1-6,9-21	<p>INV. G01N33/53 A61P15/06 A61K31/20 A61K31/57 A61K31/202 G01N33/68</p>
X	<p>----- KEIRSE M J N C: "PROGESTOGEN ADMINISTRATION IN PREGNANCY MAY PREVENT PRETERM DELIVERY" 19900101; 19900000, vol. 97, no. 2, 1 January 1990 (1990-01-01), pages 149-154, XP009042565 * page 150, right-hand column, paragraph 3 * * page 153, left-hand column, paragraph 2 * * page 153, right-hand column, paragraph 3 * * tables 1,2 * ----- -/--</p>	1-6,9-21	<p>TECHNICAL FIELDS SEARCHED (IPC)</p> <p>G01N C07J A61K</p>
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 16 February 2009	Examiner Gradassi, Giulia
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p>		<p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>	

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Application Number
EP 08 00 5572

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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X	<p>ASCARELLI M H ET AL: "Use of fetal fibronectin in clinical practice" OBSTETRICAL AND GYNECOLOGICAL SURVEY, WILLIAMS & WILKINS, BALTIMORE, MD, US, vol. 52, no. 4 Suppl, 1 April 1997 (1997-04-01), pages S1-S11, XP008099888 ISSN: 0029-7828 * page S3, left-hand column, paragraph 2 - right-hand column, paragraph 1 * * page S9, right-hand column, paragraph 2 - page S10, right-hand column, paragraph 2 * * figure 5 *</p>	1-6,9, 11-21	
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 16 February 2009	Examiner Gradassi, Giulia
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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EUROPEAN SEARCH REPORT

Application Number
EP 08 00 5572

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	<p>ANDERSEN H F: "Use of fetal fibronectin in women at risk for preterm delivery" CLINICAL OBSTETRICS AND GYNECOLOGY, HARPER AND ROW, HAGERSTOWN, MD, US, vol. 43, no. 4, 1 December 2000 (2000-12-01), pages 746-758, XP008099875 ISSN: 0009-9201</p> <p>* page 746, right-hand column, paragraph 2 - page 747, left-hand column, paragraph 1 *</p> <p>* page 750, right-hand column, last paragraph - page 751, left-hand column, paragraph 1 *</p> <p>* page 752, left-hand column, last paragraph - right-hand column, paragraph 1 *</p> <p>* table 7 *</p> <p style="text-align: center;">-----</p>	1-6,9, 13-21	
X	<p>WO 95/12406 A (ADEZA BIOMEDICAL [US]; TERAO TOSHIHIKO [JP]; KANAYAMA NAOHIRO [JP]; CA) 11 May 1995 (1995-05-11)</p> <p>* page 4, line 22 - page 5, line 9 *</p> <p>* page 10, line 16 - page 11, line 22 *</p> <p>* page 14, line 13 - line 23 *</p> <p>* page 15, line 20 - page 16, line 5 *</p> <p>* page 18, line 3 - line 26 *</p> <p>* page 20, line 29 - page 21, line 10 *</p> <p>* page 22, line 20 - page 24, line 19 *</p> <p>* examples 3,4 *</p> <p>* claim 1 *</p> <p style="text-align: center;">-----</p>	1-6, 11-21	TECHNICAL FIELDS SEARCHED (IPC)
X	<p>WO 01/01899 A (BIENIARZ ANDRE [US]) 11 January 2001 (2001-01-11)</p> <p>* page 7, line 18 - line 28 *</p> <p>* page 9, line 12 - line 21 *</p> <p>* page 10, line 5 - line 21 *</p> <p>* page 13, line 21 - page 14, line 17 *</p> <p>* claims 1,11,14,19,20 *</p> <p style="text-align: center;">-----</p>	1-6,9, 13-21	
The present search report has been drawn up for all claims			
10	Place of search The Hague	Date of completion of the search 16 February 2009	Examiner Gradassi, Giulia
CATEGORY OF CITED DOCUMENTS		<p>T : theory or principle underlying the invention</p> <p>E : earlier patent document, but published on, or after the filing date</p> <p>D : document cited in the application</p> <p>L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>	
<p>X : particularly relevant if taken alone</p> <p>Y : particularly relevant if combined with another document of the same category</p> <p>A : technological background</p> <p>O : non-written disclosure</p> <p>P : intermediate document</p>			

EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 08 00 5572

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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16-02-2009

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EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

专利名称(译)	预防早产的筛选和治疗方法		
公开(公告)号	EP1936376A3	公开(公告)日	2009-04-01
申请号	EP2008005572	申请日	2004-02-06
[标]申请(专利权)人(译)	ADEZA生物医学		
申请(专利权)人(译)	ADEZA生物医学股份有限公司		
当前申请(专利权)人(译)	ADEZA生物医学股份有限公司		
[标]发明人	HICKOK DURLIN HUSSA ROBERT FISCHER COLBRIE MARK ANDERSON EMORY V SENYEI ANDREW E		
发明人	HICKOK, DURLIN HUSSA, ROBERT FISCHER-COLBRIE, MARK ANDERSON, EMORY V. SENYEI, ANDREW E.		
IPC分类号	G01N33/53 A61P15/06 A61K31/20 A61K31/57 A61K31/202 G01N33/68 A61K C07J1/00 G01N33/543 G01N33/74		
CPC分类号	A61K31/20 A61K31/57 A61P15/06 C07J1/00 G01N33/743 G01N2333/78 G01N2800/368		
优先权	60/446288 2003-02-06 US 60/466526 2003-04-28 US 60/490706 2003-07-28 US		
其他公开文献	EP1936376A2 EP1936376B1		
外部链接	Espacenet		

摘要(译)

本文提供了用于筛选和治疗受试者的方法，组合和试剂盒。在实施该方法时，从受试者获得样品，例如尿液，血液，血浆，唾液，宫颈液，阴道液或组织样品；如果标记物（例如胎儿限制性抗原或雌三醇）的水平指示即将发生或早产的风险，则向受试者施用促孕剂。由于代理人的交付可以延迟。



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X	KEIRSE H J N C: "PROGESTOGEN ADMINISTRATION IN PREGNANCY MAY PREVENT PRETERM DELIVERY" 19900101: 19900000, vol. 97, no. 2, 1 January 1990 (1990-01-01), pages 149-154, XP009042565 * page 150, right-hand column, paragraph 3 * page 153, left-hand column, paragraph 2 * page 153, right-hand column, paragraph 3 * tables 1,2 * ----- /-/-	1-6,9-21	TECHNICAL FIELD: RESEARCHED (IPC) G01N C07J A61K
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<p>10 CATEGORY OF CITED DOCUMENTS</p> <p>1. prior art particularly relevant to the invention 2. prior art relevant to the invention or after the filing date of the application 3. document cited for other reasons 4. document of the same patent family, corresponding document</p>			