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(54) Title: A PHARMACEUTICAL COMPOSITION COMPRISING A COMBINATION OF PROBIOTIC AND PREBIOTIC

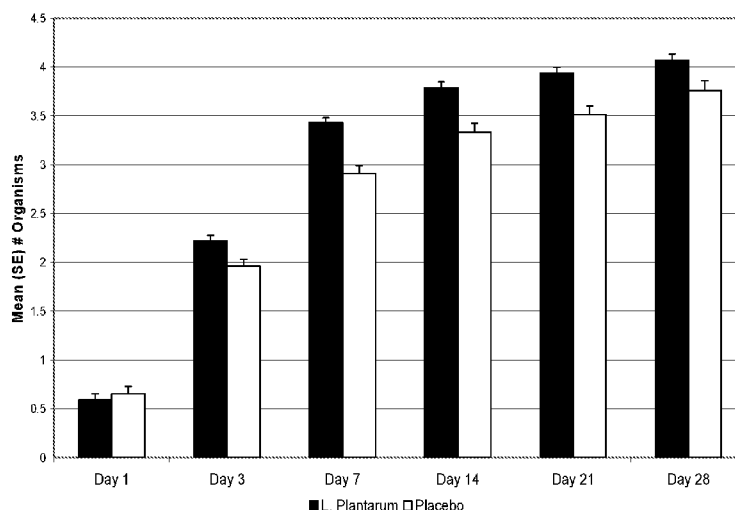


FIGURE 1

(57) Abstract: The present invention provides a pharmaceutical composition comprising a probiotic and a prebiotic for alleviating symptoms associated with infections such as neonatal sepsis and pneumonia in neonates and infants. More particularly, the pharmaceutical composition comprises at least one *Lactillobacillus* specie(s) as a probiotic and at least one oligosaccharide or at least one polysaccharide as a pre-biotic. The present invention further provides a method of treatment of neonatal sepsis and pneumonia comprising administering an effective amount of the pharmaceutical composition to neonates and infants in need thereof.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB 14/61097

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61K 39/02 (2015.01)

CPC - A61K 39/00; A61K 38/00; A61K 2039/552

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC (8): A61K 39/02 (2015.01)

CPC: A61K 39/00; A61K 38/00; A61K 2039/552

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

IPC (8): A61K 35/74 (2015.01)

CPC: A61K 31/70, A61K 35/747

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Google patents, Google scholar, Google web, PatBase, Proquest Dialog

Combination/together/blend/synbiotic; probiotic; Lactillobacillus/Lactobacillus; prebiotic; infection/sepsis/pneumonia; neonate/infant oligosaccharide/polysaccharide/fructo-oligosaccharide; Lactobacillus plantarum; strain ATCC 202195; treat/alleviate/ameliorate/prevent

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2007/0298014 A1 (HUANG) 27 December 2007 (27.12.2007) claim 1; para [0054]; para [0056]; claim 4; claim 7; para [0055]; para [0054]	1-10
Y	US 2006/0018890 A1 (ISOLAURI et al.) 26 January 2006 (26.01.2006) Abstract; claim 3; claim 2; para [0025]; claim 12-13; para [0023]	1-10
Y	PANIGRAHI et al. Long-term colonization of a Lactobacillus plantarum synbiotic preparation in the neonatal gut. J Pediatr Gastroenterol Nutr. July 2008. Vol. 47. No. 1. pp 45-53. especially, page 46, Col. 2, para 3; page 47, Col. 1, para 1page 46, Col. 1, para 2	2-3, 9
Y	US 2004/0096427 A1 (PANIGRAHI) 20 May 2004 (20.05.2004) para [0059]; para [0032]	4



Further documents are listed in the continuation of Box C.



* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

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later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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