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(54) Title: REDUCTION IN BACTERIAL COLONIZATION BY ADMINISTERING BACTERIOPHAGE COMPOSITIONS

(57) Abstract: The present invention provides a method for reducing the risk of bacterial infection or sepsis in a susceptible patient by treating the susceptible patient with a pharmaceutical composition containing bacteriophage of one or more strains which produce lytic infections in pathogenic bacteria. Preferably, treatment of the patient reduces the level of colonization with pathogenic bacteria susceptible to the bacteriophage by at least one log. In a typical embodiment, the susceptible patient is an immunocompromised patient selected from the group consisting of leukemia patients, lymphoma patients, carcinoma patients, sarcoma patients, allogeneic transplant patients, congenital or acquired immunodeficiency patients, cystic fibrosis patients, and AIDS patients. In a preferred mode, the patients treated by this method are colonized with the pathogenic bacterial subject to infection by said bacteriophage.

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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K35/76 A01N63/00 C12N7/00 A61P31/04 A61P31/02		
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 7 A61K C12N A01N		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) WPI Data, EPO-Internal, PAJ, BIOSIS, MEDLINE, CHEM ABS Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
° 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 document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *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	*T* 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. *&* document member of the same patent family	
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Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer <p style="text-align: center; font-weight: bold;">Ryckebosch, A</p>	

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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