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(54) Title: METHODS FOR REDUCING ACCUMULATION OF LACTATE DURING CULTURING AND METHOD FOR PRODUCING POLYPEPTIDE

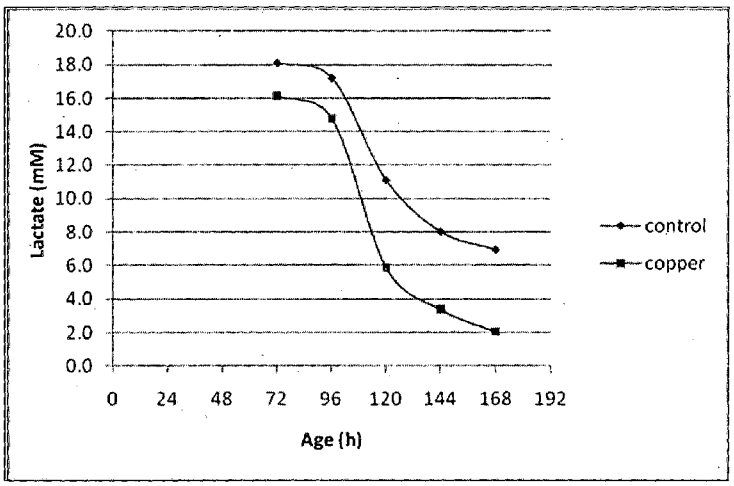


FIGURE 1

(57) Abstract: The present disclosure relates to methods of decreasing lactate production in cell culture using divalent transition metal salts. The effect on lactate production of copper and zinc at concentrations ranging from 0.2 to 0.4 mM is particularly disclosed. The present disclosure also relates to a method of producing polypeptide by adding divalent transitional metallic salt to the cell culture medium for reducing lactate accumulation followed by fermenting and recovering the polypeptide.

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MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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 practicable, search terms used)

EPODOC, WPI via EPOQUE; CAPLUS, MEDLINE, BIOSIS, BIOTECHABS via STN: Lactate, protein, antibody, production, culture, copper, zinc and like terms

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	Documents are listed in the continuation of Box C	

[X] Further documents are listed in the continuation of Box C

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* Special categories of cited documents:

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Date of the actual completion of the international search	Date of mailing of the international search report
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INTERNATIONAL SEARCH REPORT C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		International application No. **PCT/IB2012/052108**
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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INTERNATIONAL SEARCH REPORT Information on patent family members	International application No. **PCT/IB2012/052108**

This Annex lists known patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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		US 2012190061 A1	26 Jul 2012

End of Annex

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.