

Title (en)  
SOLUTION PRE-TREATMENT FOR USE IN DNA AMPLIFICATION REACTIONS

Title (de)  
LÖSUNGSVORBEHANDLUNG ZUR VERWENDUNG IN DNA-AMPLIFIKATIONSREAKTIONEN

Title (fr)  
PRE-TRAITEMENT D'UNE SOLUTION DESTINÉE À ÊTRE UTILISÉE DANS DES RÉACTIONS D'AMPLIFICATION DE L'ADN

Publication  
**EP 1994175 A4 20091223 (EN)**

Application  
**EP 07747673 A 20070308**

Priority  
• NZ 2007000045 W 20070308  
• NZ 54589406 A 20060310

Abstract (en)  
[origin: WO2007105965A1] A method of preparing a solution for use in DNA amplification reactions, including the steps of, mixing a binding agent with a base solution; subjecting the mixture (of a binding agent and base solution) to a stimulus which activates the binding agent, and upon activation, the binding agent binding to any DNA in the base solution so that it is unreactive and is not co-amplified during the DNA amplification reaction.

IPC 8 full level  
**C12Q 1/68** (2006.01); **C12N 15/10** (2006.01)

CPC (source: EP)  
**C12Q 1/6806** (2013.01); **C12Q 1/6848** (2013.01)

Citation (search report)  
• [X] US 6379930 B1 20020430 - DATTA GUPTA NANIBHUSHAN [US], et al  
• [Y] NOCKER ANDREAS ET AL: "Selective removal of DNA from dead cells of mixed bacterial communities by use of ethidium monoazide", APPLIED AND ENVIRONMENTAL MICROBIOLOGY, AMERICAN SOCIETY FOR MICROBIOLOGY, US, vol. 72, no. 3, 1 March 2006 (2006-03-01), pages 1997 - 2004, XP002541184, ISSN: 0099-2240  
• [Y] RUDI K ET AL: "Detection of viable and dead Listeria monocytogenes on gouda-like cheeses by real-time PCR Comments : Real-time diagnostics to detect the presence of viable, dead or viable but not culturable cells", LETTERS IN APPLIED MICROBIOLOGY, OXFORD, GB, vol. 40, no. 4, 1 January 2005 (2005-01-01), pages 301 - 306, XP002482493, ISSN: 1472-765X  
• [Y] RUDI K ET AL: "Use of ethidium monoazide and PCR in combination for quantification of viable and dead cells in complex samples", APPLIED AND ENVIRONMENTAL MICROBIOLOGY, AMERICAN SOCIETY FOR MICROBIOLOGY, US, vol. 71, no. 2, 1 January 2005 (2005-01-01), pages 1018 - 1024, XP003000006, ISSN: 0099-2240  
• [Y] RUECKERT A ET AL: "Rapid differentiation and enumeration of the total, viable vegetative cell and spore content of thermophilic bacilli in milk powders with reference to Anoxybacillus flavithermus", JOURNAL OF APPLIED MICROBIOLOGY, vol. 99, no. 5, 2005, pages 1246 - 1255, XP008109747, ISSN: 1364-5072  
• [Y] NOGVA HEGE KARIN ET AL: "Ethidium monoazide for DNA-based differentiation of viable and dead bacteria by 5'-nuclease PCR", BIOTECHNIQUES, INFORMA LIFE SCIENCES PUBLISHING, WESTBOROUGH, MA, US, vol. 34, no. 4, 1 April 2003 (2003-04-01), pages 804 - 813, XP008109791, ISSN: 0736-6205  
• See references of WO 2007105965A1

Citation (examination)  
WANG S ET AL: "Discrimination of viable Vibrio vulnificus cells from dead cells in real-time PCR", JOURNAL OF MICROBIOLOGICAL METHODS, ELSEVIER, AMSTERDAM, NL, vol. 64, no. 1, 1 January 2006 (2006-01-01), pages 1 - 8, XP025072992, ISSN: 0167-7012, [retrieved on 20060101], DOI: 10.1016/J.MIMET.2005.04.023

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DOCDB simple family (publication)  
**WO 2007105965 A1 20070920**; AU 2007225509 A1 20070920; CN 101432443 A 20090513; EP 1994175 A1 20081126; EP 1994175 A4 20091223; JP 2009529346 A 20090820; NZ 545894 A 20071221

DOCDB simple family (application)  
**NZ 2007000045 W 20070308**; AU 2007225509 A 20070308; CN 200780015509 A 20070308; EP 07747673 A 20070308; JP 2009500310 A 20070308; NZ 54589406 A 20060310