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Cold-leaching extraction. A new methodology for obtaining inhibitory substances produced by bacteria in solid media.

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Authors: Catherine Cesa-Luna, Alberto Aguayo-Acosta, Antonino Baez, Jesús Muñoz-Rojas, Verónica Quintero-Hernández

Summary: Inhibitory substances can be obtained and purified by different methodologies. Free cell supernatants obtained by centrifugation and filtration are commonly used for evaluating antimicrobial metabolites produced by bacteria. In this work, a new methodology for obtaining antimicrobial metabolites is proposed, especially implemented for bacteria which are not able to produce these compounds in liquid media; based on the use of nitrocellulose filter membranes and solid culture media.

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