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PROCESS FOR PURIFICATION OF A 69000 DALTON ANTIGENIC PROTEIN FROM BORDETELLA PERTUSSIS

ABSTRACT

A process for extracting and purifying a protein having an apparent molecular weight of about 69,000 daltons from the outer membrane of the bacterium Bordetella pertussis is provided. The process includes inactivating Bordetella pertussis cells with a bacteriostatic agent, repetitive extraction, and purification of the 69,000 dalton protein from extract by dye ligand chromatography followed by chromatofocusing. The process results in improved yield and stability of the 69,000 dalton protein.

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