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(21) International Application Number: PCT/GB00/01749 (22) International Filing Date: 9 May 2000 (09.05.00) (30) Priority Data: 9910812.8 10 May 1999 (10.05.99) GB (71) Applicant: MICROSCIENCE LIMITED [GB/GB]; 545 Eskdale Road, Winnersh Triangle, Wokingham, Berkshire RG41 5TU (GB). (72) Inventors: DOUGAN, Gordon; Microscience Limited, 545 Eskdale Road, Winnersh Triangle, Wokingham, Berkshire RG41 5TU (GB). SANTANGELO, Joseph, David; Microscience Limited, 545 Eskdale Road, Winnersh Triangle, Wokingham, Berkshire RG41 5TU (GB). HOLDEN, David, William; Microscience Limited, 545 Eskdale Road, Winnersh Triangle, Wokingham, Berkshire RG41 5Tu (GB). SHEA, Jacqueline, Elizabeth; Microscience Limited, 545 Eskdale Road, Winnersh Triangle, Wokingham, Berkshire RG41 5TU (GB). HINDLE, Zoe; Microscience Limited, 545 Eskdale Road, Winnersh Triangle, Wokingham, Berkshire RG41 5TU (GB). (74) Agent: GILL JENNINGS & EVERY; Broadgate House, 7 Eldon Street, London EC2M 7LH (GB).		(81) Designated States: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>Without international search report and to be republished upon receipt of that report.</i>
(54) Title: ATTENUATED MICROORGANISMS FOR THE TREATMENT OF INFECTION		
(57) Abstract A <i>Salmonella</i> microorganism has an attenuating mutation which disrupts the expression of an apparatus gene located within the Spi2 pathogenicity island, and an auxotrophic mutation. The microorganism therefore has a double mutation which helps prevent reactivity of the microorganism while maintaining the effectiveness of the microorganism to elicit an immune response.		