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BCG Tokyo-172 Strain Solution

National Cancer Institute

Source

National Cancer Institute. *BCG Tokyo-172 Strain Solution*. NCI Thesaurus. Code C126694.

A solution containing an attenuated, live culture preparation of the bacillus Calmette-Guerin (BCG) strain of *Mycobacterium bovis* obtained from the Pasteur Institute in 1924, with potential immunostimulating and antineoplastic activities. Although the precise mechanism of action is unknown, upon intravesical instillation through a catheter, the attenuated, live BCG bacteria in the BCG Tokyo-172 strain solution come into direct contact with the bladder wall and elicits a local, multifaceted immune response against the BCG antigens, which kills the bladder cancer cells. Previous vaccination with a systemic BCG vaccine may enhance the immune system's response against the BCG antigens.