

# USAMRMC

*Protect the Warrior  
- Sustain the Force*

U.S. Army Medical Research and Materiel Command

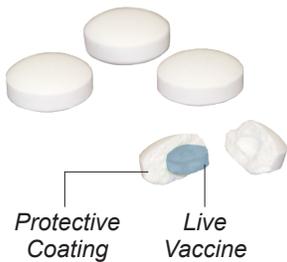


# USAMMDA

U.S. Army Medical Materiel Development Activity

**USAMMDA Mission:** To develop and manage medical materiel to protect and sustain the warfighter on point for the nation.

## Adenovirus Vaccine



The adenovirus vaccine has been used by the Department of Defense to prevent adenovirus-related acute respiratory disease in military recruits during basic training, while living in barracks-type environments. Since the adenovirus can spread via direct contact, airborne transmission and droplet transmission, the close quarters of recruit life make them highly susceptible to exposure.

Adenovirus infections in military recruits are associated with pharyngitis, conjunctivitis, rhinitis and pneumonia. These illnesses often lead to missed training and some recruits have to repeat parts of the training cycle.

The adenovirus vaccine is two orally administered, enteric-coated tablets containing live adenovirus serotypes 4 or 7.

Each initial-entry recruit will receive a one-time dose of both serotypes, along with their other immunizations, during in-processing.



- **1996:** Vaccine production ceased due to loss of manufacturer
- **1999:** Stocks were depleted or expired
- Several adenovirus outbreaks have recurred since 1999
- **2001:** Contract to develop and manufacture adenovirus vaccine awarded to Barr Pharmaceuticals
- **2004:** Barr Pharmaceuticals submitted the Investigational New Drug (IND) application to the FDA
- **2004-2005:** Phase 1 clinical trial
- **2006-2008:** Phase 3 clinical trial
  - Clinical studies were carried out jointly by the Army and Navy, at the U.S. Army Training Center of Excellence, Fort Jackson, SC; and the Naval Recruit Training Command, Great Lakes, IL
- **2008:** Biological License Application accepted for review
- **2009:** Licensure expected

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