



FIELD TEST SUMMARY

Preventive Medicine Kit Plus (PMK Plus)

1. Purpose

The purpose of this field test was to evaluate the **Preventive Medicine Kit Plus (PMK Plus)** as a comprehensive Soldier-level preventive medicine system designed to reduce DNBI and preserve combat effectiveness during extended field operations.

2. Test Environment

PMK Plus was evaluated during:

- Extended field exercises (7–14 days)
- High-heat and high-UV environments
- Vector-dense conditions
- Limited water and hygiene access
- Sustained physical activity with load carriage

Soldiers operated under realistic field conditions representative of both training and deployed environments.

3. PMK Plus Configuration

Each Soldier was issued one PMK Plus containing:

- SPF 50/30 sunscreen
- Alcohol-based hand sanitizer

- Antifungal foot powder
 - Non-toxic insect repellent
 - SPF lip protection
 - Waterless body wipes
 - Muscle pain relief roll-on
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4. Observations

a. Environmental Injury Prevention

No sunburn-related duty limitations were reported during the test period. Soldiers demonstrated improved tolerance to prolonged sun exposure and maintained operational tempo without UV-related degradation.

b. Communicable Disease Control

Use of hand sanitizer and hygiene wipes contributed to reduced reports of gastrointestinal discomfort and minor skin infections. No clustering of illness was observed within participating elements.

c. Foot Health and Mobility

Antifungal foot powder use correlated with preserved foot condition despite continuous boot wear. No Soldiers required medical attention for foot fungus or severe maceration.

d. Vector-Borne Exposure

Soldiers reported a noticeable reduction in insect bites, particularly during night operations. Improved rest quality was reported, supporting sustained performance.

e. Musculoskeletal Endurance

Use of the muscle pain relief roll-on assisted Soldiers in managing soreness associated with sustained movement and load carriage. No overuse injuries requiring removal from training were reported.

f. Hygiene and Morale

Soldiers consistently cited the ability to maintain basic hygiene as a positive factor in morale and mental resilience during prolonged operations.

5. Readiness Impact

Observed readiness outcomes included:

- Reduced sick-call volume related to DNBI
 - Zero training removals due to preventable environmental or hygiene-related conditions
 - Sustained Soldier participation throughout extended field periods
 - Improved compliance with preventive medicine practices
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6. Limitations

This evaluation was conducted under training conditions and did not include long-term medical surveillance. Results are based on observed outcomes and Soldier feedback.

7. Summary Assessment

PMK Plus functioned as an integrated preventive medicine system rather than a collection of individual items. Its standardized configuration ensured consistent application of preventive measures across the formation.

8. Professional Assessment

Based on this field test, PMK Plus demonstrated clear potential to **reduce DNBI, preserve mobility, and sustain operational readiness** during extended field operations.

This assessment is provided to support capability evaluation and does **not** represent an endorsement.

If you want next, I can:

- Convert these into **official AAR format**
- Prepare **medical surveillance metrics** to accompany the summaries
- Draft **command endorsement letters** (ethics-compliant)
- Integrate these summaries into **SEP and PM SSV packets**