



TECHNICAL DATA SHEET & SPECIFICATIONS

Preventive Medicine Kit (PMK) Essentials NSN 6508-01-733-0828

Preventive Medicine Kit Plus (PMK Plus) NSN 6508-01-731-5339

Portfolio Alignment: PEO Soldier – PM Soldier Survivability (PM SSV)

Category: Soldier Survivability / Preventive Medicine / DNBI Reduction

Classification: Unclassified / For Official Use

1. SYSTEM OVERVIEW

PMK Essentials

The **Preventive Medicine Kit (PMK) Essentials** is a compact, Soldier-level preventive medicine capability designed to mitigate the most common **Disease and Non-Battle Injury (DNBI)** drivers encountered during field training and operational deployments.

The system focuses on **environmental injury prevention, vector exposure reduction, foot health preservation, and basic hygiene sustainment** in austere environments.

PMK Plus

The **Preventive Medicine Kit Plus (PMK Plus)** is an expanded, standardized preventive medicine system that builds upon PMK Essentials by incorporating **communicable disease control, tissue protection, and musculoskeletal sustainment**.

PMK Plus is intended for **extended-duration operations**, high-risk DNBI environments, and units requiring a more comprehensive Soldier survivability solution.

2. INTENDED OPERATIONAL USE

Both PMK variants are designed for:

- Initial Entry Training (IET / OSUT)
- Unit field training exercises (FTX)
- Pre-deployment preparation
- Deployed operations
- High-UV, high-heat, high-humidity, and vector-dense environments

Use is **preventive, continuous, and Soldier-managed**.

3. TECHNICAL SPECIFICATIONS

3.1 PMK Essentials – System Specifications

Attribute	Specification
System Type	Preventive Medicine Kit
NSN	6508-01-733-0828
Unit of Issue	EA (Each)
Configuration	Modular, Soldier-portable
Manufacturing Origin	100% U.S.-Made
Training Requirement	None
Sustainment Requirement	None
Power Requirement	None
Shelf Life	Long-term, shelf-stable
Storage Conditions	Ambient; no refrigeration required
Environmental Suitability	Desert, jungle, maritime, temperate
Load Carriage Compatibility	IHPS, MSV, SPS subsystems, MOLLE, ruck

3.2 PMK Essentials – Component Specifications

Component	Function	Technical Notes
Broad-Spectrum Sunscreen	UV injury prevention	SPF \geq 50; sweat-resistant
Insect Repellent	Vector exposure reduction	EPA-approved; field-appropriate
Antifungal Foot Powder	Foot health & mobility	Moisture control; fungal prevention
Waterless Body Wipes	Hygiene sustainment	Antibacterial; no water required

3.3 PMK Plus – System Specifications

Attribute	Specification
System Type	Expanded Preventive Medicine Kit
NSN	6508-01-731-5339
Unit of Issue	EA (Each)
Configuration	Integrated preventive medicine system
Manufacturing Origin	100% U.S.-Made
Training Requirement	None
Sustainment Requirement	None
Power Requirement	None
Shelf Life	Long-term, shelf-stable
Storage Conditions	Ambient
Environmental Suitability	All operational environments
Load Carriage Compatibility	IHPS, MSV, SPS subsystems, MOLLE, ruck

3.4 PMK Plus – Component Specifications

Component	Preventive Medicine Function	Technical Notes
SPF 50/30 Mineral Sunscreen	UV & heat injury prevention	Broad-spectrum; field-tested
Alcohol-Based Hand Sanitizer	Communicable disease control	≥70% alcohol
Antifungal Foot Powder	Mobility preservation	Prevents fungal infection
Non-Toxic Insect Repellent	Vector-borne disease prevention	Up to 12-hour protection
SPF Lip Protection	Tissue integrity & UV protection	Prevents cracking/infection
Waterless Body Wipes	Hygiene & infection control	Antibacterial
Muscle Pain Relief Roll-On	Overuse injury prevention	Supports endurance & recovery

4. PERFORMANCE CHARACTERISTICS

4.1 DNBI Mitigation Focus Areas

- Ultraviolet injury
- Heat degradation
- Vector-borne disease risk
- Foot fungus and moisture injury
- Hygiene-related infections
- Musculoskeletal strain progression

4.2 Observed Operational Effects

- Reduced sunburn-related downtime
- Improved foot condition during prolonged boot wear
- Reduced vector bite incidence
- Improved hygiene sustainment in water-limited environments

- Sustained Soldier endurance and participation
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5. SAFETY & COMPLIANCE

- All components meet applicable consumer and safety standards.
 - No hazardous materials requiring special handling.
 - Non-toxic formulations where applicable.
 - No pharmaceuticals included.
 - Suitable for Soldier self-application.
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6. LOGISTICS & SUSTAINMENT

6.1 Supply Chain

- NSN-supported (PMK Essentials) **NSN 6508-01-733-0828**
- NSN-SUPPORTED (PMK Plus) **NSN 6508-01-731-5339**
- Compatible with DLA and SSA procurement
- Suitable for GPC purchase and/or GSA Advantage

6.2 Packaging

- Compact, lightweight packaging, comes in box of 24 units
- Designed for Soldier-level carriage
- Minimal waste and storage footprint

6.3 Issue & Resupply

- Initial issue: 1 kit per Soldier
 - Resupply: 7–14-day cycle depending on environment
 - Unit-level stockage recommended, 4 units per soldier each for one week usage.
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7. SYSTEM ADVANTAGES

- Low acquisition and sustainment risk

- Immediate fielding capability
 - No modification to existing equipment or doctrine
 - Scalable from trainee to deployed Warfighter
 - Consolidates existing Soldier sustainment needs
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8. SUMMARY

PMK Essentials and PMK Plus are **mature, low-risk preventive medicine systems** designed to preserve Soldier readiness by mitigating the most common and predictable causes of DNBI.

Both kits align directly with **PM Soldier Survivability objectives** and complement existing Soldier Protective Equipment by addressing **environmental survivability** at the Soldier level.

9. POINT OF CONTACT

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