



## 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

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### 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.

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#### **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.

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## 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**.

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## 3. TECHNICAL SPECIFICATIONS

### 3.1 PMK Essentials – System Specifications

Attribute	Specification
System Type	Preventive Medicine Kit
NSN	<b>6508-01-733-0828</b>
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

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### 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

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### 3.3 PMK Plus – System Specifications

Attribute	Specification
System Type	Expanded Preventive Medicine Kit
NSN	<b>6508-01-731-5339</b>
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

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### 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

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## 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.

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## **9. POINT OF CONTACT**

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