

Innovation Brief

Hand Hygiene and Associated Products and Services - Primel Active Hand Shield

Summary

Disruptive innovation

This briefing introduces a disruptive innovation newly available via NHS Supply Chain: Primel active hand shield. Reviewed by clinical specialists and supported by key stakeholders, this device offers a novel approach to improving hand hygiene enhancing pathogen protection to prevent infection.

Introduction

This document is intended to inform clinical stakeholders and procurement teams about innovative products that have undergone a clinical review and are now accessible through NHS Supply Chain.

Products featured in this brief may be classified as:

- Disruptive innovations
 - A disruptive innovation is novel.
 - It should offer improvements compared to the existing provision of care.
 - The proposed format should not exist elsewhere (either within or beyond the health and care sector).

Note: While robust evidence or validated savings may not yet be available, early data and clinical insights support the potential for patient and system-level improvements.

Departments / stakeholders for engagement

- NHS procurement teams
- Infection prevention and control team
- Housekeeping
- Medical and nursing teams

Opportunity

The Primel active hand shield offers a more effective and efficient way to combat infections by providing fast-acting and sustained protection against the broadest spectrum of germs, with the additional ability to reduce the transmission of germs as well.

- Protect on touch
- Suitable for sensitive skin
- Effective across a broad spectrum range

Product overview

TridAnt® is a biocompatible antimicrobial technology that delivers advanced, state-of-the-art infection protection. Built on more than 30 years of expertise in enhancing infection prevention for a wide range of long-term medical implants, this technology is designed for both effectiveness and safety.

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Product overview (continued)

The material forms microscopic surface spikes that act immediately and remain active over time. Its matrix is engineered to attract and target live microorganisms, neutralising them within seconds without harming human cells. By combining active and passive mechanisms, TridAnt® is able to block, repel, and eliminate germs. It also prevents and disrupts biofilm formation - without the need for physical abrasion - offering an innovative approach to combating a broad spectrum of infections. Importantly, this system does not rely on metals or any components that leach or release substances to kill germs.

Clinical relevance

Contact-Kill Mechanism: provides rapid protection by instantly neutralising pathogens, significantly reducing the time required to disinfect hands.

Protect on touch:

Offers exceptional protection by reducing the number of pathogens both on the wearer's hands and on surfaces they touch. This dual-action interruption of pathogen transmission lowers the risk of spreading germs to others.

Sustained effect:

Extends initial protection by continuously eliminating pathogens over time.

Broad-spectrum activity:

Effective against viruses, bacteria, fungi, yeast, and spores—including superbugs and drug-resistant organisms.

Suitable for sensitive skin:

Dermatologically tested to ensure long-lasting moisturisation and safe use across all skin types, including sensitive skin.

Ideal for high-usage, low-compliance environments:

Primer active hand shield enhances pathogen protection, supports improved hygiene practices, and strengthens infection prevention infrastructure globally. Dermatologically tested, it is suitable for continuous use on all skin types, including sensitive skin.



Additional benefits:

- 91% more effective at killing germs compared to alcohol-based hand sanitisers.
- Transfers 55% less germs from hand to surfaces.
- 45% more effective after one hour of use.

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Supply details

National Product Code (NPC)	Manufacturer's Product Code (MPC)	Unit of Issue	Description
MTH85223	PAHS-B	24	Active hand shield 250ml bottle
MTH85227	PAHS-A	100	Active hand shield 30ml bottle
MTH85226	PAHS-RR	500	Retractable reel for 30ml bottle
MTH85225	PAHS-BR	40	Bed bracket for 250ml bottle
MTH85224	PAHS-C	20	Active hand shield 1l bottle

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