

Galahad Distribution Pty Ltd



Supply & support of PPE – including pandemic preparedness items

Supply & support military CBR equipment

Supply & support national biological agent identification capability

Distributor – Virogard protective masks

PPE

- Masks
- Hand cleansers
- Gloves
- Goggles
- Surface wipes
- Antibacterial sprays
- Gowns/coveralls



Masks

- “Surgical Masks”
- N95/P2/FFP2 Particulate Respirators



Disposable Respirator Issues

- | | |
|-----------------------------|--|
| 1. Fit/comfort | • Universal issue |
| 2. Rate of use | • 14-16 week pandemic
• Say 100 days @ 4 masks/day = 400 pcs per person |
| 3. Cross contamination risk | • NIOSH/CDC study
• 8 hr viral viability on fabric |





- **Survivability of Viruses on Respirators with Antimicrobial Technology: Test Plan**
- **Overview**
- The objective of this task is to determine the viability of the MS2 bacteriophage on filtering facepiece respirators (FFR) incorporating antimicrobial technology. MS2, a commonly used surrogate virus in a variety of studies, will serve as the test virus for this investigation due to its similarity to many animal viruses, non-pathogenicity, and ease of preparation and assay. MS2 will be aerosolized using a nebulizer and applied onto test respirator coupons under controlled conditions. MS2 contaminated respirator coupons will be stored at two conditions: 1) representing a favorable growth condition for MS2 and 2) a hospital environment. The viability of MS2 will be measured over a period of 8 hrs using a standard plaque assay. The experimental hypothesis proposes that antimicrobial technology incorporated in FFRs will inactivate viruses

Why Virogard?

- | | | |
|-------------------|---|---|
| • Lightweight | = | • Comfortable for prolonged wear |
| • Antimicrobial | = | • Kills flu virus – reduces risk of cross contamination |
| • Re-usable (x20) | = | • Less quantity needed |
| | | • Simpler logistics |
| | | • More economic |

Suggestions: 😊

- Buy what is really relevant – avoid over-specifying, avoid ‘tokenism’.
- Consider storage – size, classified ‘dangerous goods’, location
- Shelf life – know in advance, check on arrival
- Transport – a significant cost component: consider local purchase for outlying offices

Jim Gault

0427 885553