

Image Cover Sheet

CLASSIFICATION

UNCLASSIFIED

SYSTEM NUMBER

149579

**TITLE**

PROGRAM ACTIVITIES: MEDICAL COUNTERMEASURES AGAINST BW AGENTS. PROPHYLAXIS AND
THERAPY FOR CW AGENTS

System Number:**Patron Number:****Requester:****Notes:****DSIS Use only:****Deliver to:** DK

Annex M

5 pages in total

Defence Research Establishment Suffield

Medical Countermeasures Section

Program Activities

- Medical Countermeasures Against BW Agents

- Prophylaxis and Therapy for CW Agents

Defence Research Establishment Suffield
Medical Countermeasures Section

Section Organisation

3 Groups

Biotechnology

Therapy

Animal Resources

Defence Research Establishment Suffield
Medical Countermeasures Section

MEDICAL COUNTERMEASURES AGAINST BW AGENTS

PROJECT ELEMENTS

- Drug Delivery Systems
Emphasis is on encapsulation in liposomes
- Vaccines
Both Active and Passive Immunity
Detoxification
- Enhancing Disease Resistance
Methods other than Vaccines
Non-Specific Immunity

2B Project

Prophylaxis and Therapy for CW Agents

Project Elements

- Determine Mode of Action of Mustard
 - Focus on initial effects of mustard vapour.*
 - Determine fundamental mechanisms of mustard toxicity*
 - Use this information to develop treatments*
- Determine Modes of Action of Selected Neurotoxins and Mid-Spectrum Agents.
 - Determine fundamental mechanisms*
 - Look for features in-common among groups of toxins*
 - Use this information to develop specific and generic Tx*
- Maintain watching brief on prevention and therapy of nerve agent exposure.
 - To maintain competence*
 - To maintain currency of HI-6*

Medical Countermeasures Section

The majority of the activity within the Consolidated CB Program, be conducted by the Medical Countermeasures Section can be gathered under 4 headings.

Liposomes

Mustard

Toxins

Vaccines

