

MATERIAL SAFETY DATA SHEET

Material Safety Data Sheet for:

Public Health England (PHE) National Collection of Pathogenic Viruses – frozen live viruses

Review date: 8th August 2020

Issued to: Users of PHE NCPV frozen live viruses

Access: Document to be downloaded from PHE Culture Collections website at www.phe-culturecollections.org.uk

Culture Collections
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1. Identification of the product and the establishment

Product: Plastic cryotube containing frozen culture of live virus

Establishment: Culture Collections
Public Health England
Porton Down
Salisbury
SP4 0JG, UK

Telephone (9.00 – 17.00 hours) +44 (0) 1980 612512

Telephone (Out of working hours) +44 (0) 1980 612100

2. Composition/information on ingredients

Plastic cryotube containing frozen live virus culture classified as Hazard Group 2 or 3 (Hazard Groups 2 and 3 as defined by the Advisory Committee on Dangerous Pathogens 2004 Approved List of Biological Agents <http://www.hse.gov.uk/pubns/misc208>).

A **Hazard Group 2 (HG2) organism** may cause human disease and may be a hazard to laboratory workers, but is unlikely to spread to the community, whereas a **Hazard Group 3 (HG3) organism** may cause human disease and be a hazard to laboratory workers as well as being likely to spread to the community.

All cultures provided by NCPV must be regarded as potentially pathogenic to humans and should be handled by, or under the supervision of, competent personnel who have received appropriate training in safe working practices in microbiology.

3. Hazards identification

Physico-chemical hazard: Not applicable

Health hazard: Minimal risk of infection provided good laboratory practice is observed and containment facilities used are appropriate for the virus Hazard Group classification (HG2 or HG3).

Environmental hazard: Not applicable

4. First aid measures

If accidental contact with material occurs, laboratory staff must follow local first aid procedures that are normally applied following exposure to such material.

5. Fire fighting measures

Not applicable

6. Accidental release measures

Local risk assessments should be in place prior to purchasing and handling cryotubes containing NCPV viruses.

Personal precautions: Avoid direct contact with the material. Do not open the primary containers unless authorised to do so. Wear a laboratory coat, protective gloves and eye protection (safety glasses).

Environmental precautions: If spillage occurs allow aerosols to settle, place absorbent material over the spillage and pour disinfectant over spillage to saturate and leave for 30 minutes prior to cleaning and disposal. The preferred disinfectant is 10% v/v sodium hypochlorite (10,000 parts per million available chlorine). This should not be used in combination with other disinfectants. See your local risk assessment or contact the manufacturer of the disinfectant for additional information.

Note: The use of additional personal protective equipment (PPE) may be necessary for some cleaning solutions.

7. Handling and storage

Shipping containers contain dry ice so packages should be stored in well ventilated areas.

Store frozen prior to opening the cryovial. Process in a laboratory environment which, as defined by national regulations or guidelines, is suitable for handling microorganisms of HG2 or HG3, as appropriate.

For HG3 viruses, primary packaging should be opened in a microbiological safety cabinet under conditions of ACDP (Biosafety) Containment Level 3.

All cultures provided by NCPV must be regarded as potentially pathogenic to humans and should be handled by, or under the supervision of, competent personnel who have received appropriate training in safe working practices in microbiology.

Hand-to-mouth contact should be avoided while working with the viruses and normal hand-washing procedures relating to the handling of virus cultures must also be observed with NCPV cultures.

8. Exposure controls/Personal protection

Use good laboratory practice and wear appropriate laboratory coats, protective eye wear and gloves. Avoid aerosol production and inhalation.

Detailed discussions of laboratory safety procedures are provided by the UK Health and Safety Executive in the publication "Biological agents: Managing the risks in laboratories and healthcare premises".

9. Physical and chemical properties

Data not available

10. Stability and reactivity

Long term storage will not increase the risks of infection associated with handling the material.

11. Toxicological information

Not applicable

12. Ecological information

Not applicable

13. Disposal considerations

The used material must be disposed of using an autoclave as used for clinical samples containing infectious viruses and in accordance with all local and national regulations.

14. Transport information

Refer to the IATA and ADR Dangerous Goods Regulations for the transport of Infectious substances – Division 6.2. viruses will either be Category A (UN2814 – Infectious substance, affecting humans or UN2900 – Infectious substance, affecting animals) or Category B (UN3373 – Biological substance Category B) as appropriate.

15. Regulatory information

EC Biological agent hazard group 2
EC Biological agent hazard group 3

- Some NCPV viruses are classified under the United Kingdom's Special Animal Pathogens Order (SAPO)
- Some NCPV viruses are classified under the United Kingdom Anti-terrorism, Crime and Security Act as a schedule 5 agent

Refer to the UK Health and Safety Executive for further information regarding SAPO and schedule 5 agents.

Note that this safety data sheet does not constitute the user's own assessments of workplace risk as required by Health and Safety legislation.

16. Other information

In the event of an accident involving exposure of staff to the products contact the Culture Collections (+44 (0) 1980 612512) during normal UK working hours. The PHE Porton Duty Officer (+44 (0) 1980 612100) should be contacted out of hours.

For further safety information concerning this product, users are advised to read the instruction sheets available from the website: www.phe-culturecollections.org.uk