# University of Oxford COSHH Assessment Form

| **Read the notes on completion before attempting to fill in this form. If insufficient space is available under any section, use a separate piece of paper and attach it to the form.** | **File ref: Chloramphenicol - COSHH**<br>**Date: October 2015** |
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| **Department**: NDM, NDMRB<br><br>**Location of work**: NDMRB Laboratories | **Persons involved**: All NDMRB Laboratory Staff |
|---|---|

**Description of procedure**: Molecular Biology Reagent

| Substances used | Quantities used | Frequency of use | Hazards identified | Exposure route |
|---|---|---|---|---|
| Chloramphenicol | Powdered form, stock bottle of 100g | Daily/Weekly | H350 May cause cancer. | Inhalation Ingestion; contact with skin and eyes. |

**Could a less hazardous substance (or form of the substance) be used instead**? ~~Yes~~/No
**Justify not using it**:

## What measures have you taken to control risk?

**Engineering controls**: Always handle the powdered form of chloramphenicol in a certified ducted fume hood.

**PPE**: Gloves, lab coat and safety glasses to be worn at all times

**Management measures**: Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Most important symptoms and effects, both acute and delayed**: Acute toxicity LD50 Oral - Rat - 2,500 mg/kg LD50 Intraperitoneal - Rat - 1,811 mg/kg LD50 Intraperitoneal - Mouse - 1,100 mg/kg Laboratory experiments have shown mutagenic effects. IARC: 2A - Group 2A: Probably carcinogenic to humans

**Accidental release measures**: Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. IF exposed or concerned: Get medical advice/ attention.

**Environmental precautions**
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Checks on control measures**:

LeV is visually checked regularly and air flow are inspected once a year as part of a servicing contract.

| **Is health surveillance required**? No | **Training requirements**: None |
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**Emergency procedures**:

**General advice** Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled If breathed in**, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact** Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact** Flush eyes with water as a precaution.

**If swallowed** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Fire fighting measures**: Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture**: Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride gas.

**Advice for Fire fighters**: Wear self-contained breathing apparatus where possible.

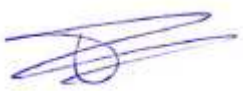
Waste disposal:

**Disposal**:
Growth medium and agar plates containing dilute concentrations of chloramphenicol are non-hazardous and should be disposed treated with 1% Virkon for 30min, liquid media should be poured down the drain with copious amount of water, solid waste should be disposed of via the autoclave route if biologically-contaminated.

**Stock pot of reagent must be disposed of via the Safety Office – contact your lab manager to arrange collection.**

Name and position of assessor: Tiphaine Bouriez-Jones, Lab Manager

Signature:



Name of supervisor (student work only):

Signature:

Name of head of department or nominee:

Signature: