

## 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: Reporter  
Lysis Assay  
Date: October 2015

Department: NDM,  
NDMRB

Persons involved: All NDMRB Laboratory Staff

Location of work:  
NDMRB Laboratories

Description of procedure:  $\beta$ -Galactosidase reporter assay reagent

Substances used	Quantities used	Frequency of use	Hazards identified	Exposure route
$\beta$ -Galactosidase reporter assay	Kit components: Sodium Carbonate 1M 1x35ml Assay 2X Buffer 1x10ml Reporter Lysis 5X Buffer 1 x 30ml $\beta$ -Galactosidase 1 x 100ul	Weekly / as necessary	H314 Causes severe skin burns and eye damage. H412 Harmful to aquatic life with long lasting effects.	Ingestion, Contact with 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**

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

**Management measures:** Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of aerosols.

**Most important symptoms and effects, both acute and delayed:** Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

**Accidental release measures:** Wear protective equipment. Keep unprotected persons away. Wear protective clothing.

**Methods and materials for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralizing agent. Dispose contaminated material as per local regulations. Ensure adequate ventilation.

**Environmental precautions:** Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

Checks on control measures:

Is health surveillance required? No

Training requirements: None

**Emergency procedures:**

**General information:**

Immediately remove any clothing soiled by the product.

Seek medical treatment.

**After inhalation:** In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:**

Immediately wash with soap, water and rinse thoroughly.

If skin irritation continues, consult a doctor.

**After eye contact:** Call a doctor immediately.

**After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.

**Firefighting measures:** Use water spray, alcohol-resistant foam, or carbon dioxide.

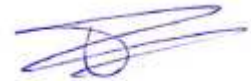
**Special hazards arising from the substance or mixture:** None known.

Waste disposal:

**Stock of Reporter Lysis Assay Kit 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: