



# Product Specification

cdhfinechemical.com

## GORDON-MCLEOD REAGENT (OXIDASE REAGENT)

**PRODUCT CODE** 839990

### Intended Use

Gordon-McLeod Reagent (Oxidase reagent) is used to carry out the oxidase test, to determine the presence of oxidase enzymes.

### Principle And Interpretation

The oxidase test is based on bacterial production of an intracellular oxidase enzyme. This oxidase reaction is due to a cytochrome oxidase system that activates oxidation of reduced cytochrome by molecular oxygen, which in turn acts as an electron acceptor in the terminal stage of the electron transfer system. All Pseudomonas and Neisseria spp., produce an oxidase enzyme which, in the presence of atmospheric oxygen, cytochrome c, and an oxidase reagent, oxidize the reagent to a colored compound, indophenol.

PARAMETER	LIMIT
Description	Black coloured solution.
Solubility	Miscible with water.
Identification	Passes test
Suitability test	Passes test

### Directions

- Biochemical identification was carried out by using Gordon-McLeod Reagent and Soyabean Casein Digest Agar Plate containing 24-48 hours old culture.
- Place 2 to 3 drops of Gordon McLeod Reagent on to a filter paper in a petridish. With a platinum wire loop (not nichrome), plastic loop or glass rod, smear some of the growth from Soyabean Casein Digest Agar Plate on the prepared filter papers.
- Observe for appearance of deep blue purple colour within 10 seconds.

**Note(s): Assay (if applicable) method mentioned.**

### DANGER

**Hazard statements:** May cause respiratory irritation. Toxic if inhaled. Toxic in contact with skin. Toxic if swallowed. Causes mild skin irritation.

### Precautionary statements

**Prevention:** Wear protective gloves/clothing. Use only outdoors or in a well ventilated area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

**Response:** Immediately call a POISON CENTER or doctor/physician. If skin irritation occurs, seek medical advice/attention. Keep container tightly closed. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF ON SKIN: Gently wash with plenty of soap and water. Call a POISON CENTER or doctor/physician if you feel unwell. Specific treatment: refer to Label or MSDS. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Remove/Take off immediately all contaminated clothing. Wash/Decontaminate removed clothing before reuse.

**Disposal:** Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water.

IMDG Code : --  
UN No. : --  
IATA : --

### Hazard Pictogram(s) :



GHS06

Replace date 23-Dec-2023