Material Safety Data Sheet

H2S Vial (Bacteriological) Kit (RXSOL-62-5540-001)

PRODUCT DATA SHEET
H2S TEST STRIP KIT
For rapid detection and confirmation of Salmonella and Citrobacter in potable water •Easy to perform
•User-friendly
•Screening tests
•Low-cost rapid test
•Suitable for handling by untrained personnel for monitoring of rural drinking water sources

Kit contains
•Glass vial containing H2S test strip
*Store in a dry place, below 25°C and protect from direct Sunlight.

Instructions for use
Carefully open the bottle cap and fill the water sample up to the arrow mark. Quickly re-cap the test bottle and secure it tightly. Shake gently for few minutes to allow the medium to diffuse in water evenly. Incubate at 32 - 37ºC for 18 - 48 hours and take observation.

Observation Broth colour turns to black from initial light amber colour – Salmonella present Water is not suitable for drinking

Principle There is a need for rapid methods to quickly determine the pathogenic bacteria in water other than coliforms. Monitoring microbiological quality of drinking water also needs examination of water samples for presence of bacterialike Salmonella and Citrobactor freundiiusing rapid kits. H2S test strip kit contains media-impregnated paper strip containingall the essential nutrients for the growth of Salmonella and Citrobactor freundii. Presumptively,presence of these bacteriais indicated by H2S production, resulting in colour change of broth to black from initial light amber colour.

Microbiological parameters (Growth promotion test) Culture characteristics observed after inoculation (10-100 CFU) and incubation at 32 - 37°C for 18 – 48 hours.

Mail us : To get H2s discounted price --- mail@rxmarine.com

Test strains	ATCC	Inoculum	Growth	Colour of the medium
Salmonella typhimurium	14028	10-100	Luxuriant	Black
Citrobacter freundii	8090	10-100	Luxuriant	Black
Escherichia coli	25922	10-100	Luxuriant	No change

Stock Point	Mumbai, Kandla	Chennai	Visakhapatnam	Kolkata, Fujairah

Land transport (ADR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

UN Number	Not Applicable
UN Proper shipping name	Not Applicable
Transport Hazard Class	Not Applicable
Transport Hazard Subrisk	Not Applicable
Packing group	Not Applicable
Environmental hazard	Not Applicable
Special precautions for user : -	Hazard identification (Kemler) : Not Applicable Classification code : Not Applicable Hazard Label : Not Applicable Special provisions : Not Applicable Limited quantity : Not Applicable Tunnel Restriction Code : Not Applicable

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

UN Number	Not Applicable
UN Proper shipping name	Not Applicable
Transport Hazard Class	ICAO/IATA Class : Not Applicable ICAO / IATA Subrisk : Not Applicable ERG Code : Not Applicable
Transport Hazard Subrisk	Not Applicable
Packing group	Not Applicable
Environmental hazard	Not Applicable
Special precautions for user : -	Special provisions : Not Applicable Cargo Only Packing Instructions : Not Applicable Cargo Only Maximum Qty / Pack : Not Applicable Passenger and Cargo Packing Instructions : Not Applicable Passenger and Cargo Maximum Qty / Pack : Not Applicable Passenger and Cargo Limited Quantity Packing Instructions : Not Applicable Passenger and Cargo Limited Maximum Qty / Pack : Not Applicable

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

UN Number	Not Applicable
UN Proper shipping name	Not Applicable
IMDC Class	Not Applicable
IMDG Subrisk	Not Applicable
Packing group	Not Applicable
Environmental hazard	Not Applicable
Special precautions for user : -	EMS Number : Not Applicable Special provisions : Not Applicable Limited Quantities : Not Applicable

Inland waterways transport (ADN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

UN Number	Not Applicable
UN Proper shipping name	Not Applicable
Transport Hazard Class	Not Applicable
Transport Hazard Subrisk	Not Applicable
Packing group	Not Applicable
Environmental hazard	Not Applicable
Special precautions for user : -	Classification code : Not Applicable Special provisions : Not Applicable Limited quantity Not : Applicable Equipment required : Not Applicable Fire cones number : Not Applicable