DNAble® *Salmonella* Sample Extraction Set I

Catalog No. ACC-084 *Part #11717*

Set Contains:

- *MB2 Extraction Buffer*
- *1.5 mL micro-centrifuge tubes (50)*

Materials Not Provided:

- *Sterile Modified Buffered Peptone Water (mBPW), 2.5%*
- *Sterile sample collectors (boot swabs, drag swabs, chick paper, etc.)*
- *Precision pipette(s) capable of delivering 25-125 µL*
- *Pipette tips*
- *Incubator capable of 37°C*
- *Dry heat block capable of 98°F, with insert suitable for 1.5 mL tubes*
- *Vortexer*
- *Timer*

Intended Use

This set provides for extraction and detection of *Salmonella* DNA from poultry environmental, fecal and cloacal swabs when used in combination with DNAble *Salmonella* Supplement (Part # 11622) and *Salmonella* Detection Kit (Part# 11716). Contact Technical Support for specific recommendations on other matrix types.

Intended User

The DNAble *Salmonella* assay is designed to be simple and user friendly. It is designed for use by personnel with appropriate training in handling human pathogens, and in Microbiology and Molecular Assay techniques. Training specific to the DNAble *Salmonella* assay will be provided by EnviroLogix; contact Technical Service or visit envirologix.com/salmonella for more information.

How the Kit Works

An aliquot of MB2 buffer is added to a microcentrifuge tube followed by a sample of mBPW-enriched culture. The sample is heated to enable lysis of target organisms.

Precautions and Notes

DNAble is a highly sensitive assay. Therefore the following precautions are recommended to reduce the chance of sample contamination:

- Separated work areas are recommended for each of the following:
  - DNAble culture
  - DNAble sample preparation
  - DNAble amplification and detection
- Clean the work station and pipettes with 10% bleach before and after use
- Do not reuse kit disposables
- Change pipette tips in between samples
- Wear gloves and change between handling of samples
- Dispose of samples and plasticware following proper laboratory practices and local safety and environmental regulations
- Avoid delays between sample preparation steps and between sample preparation and DNA amplification
- mBPW should be equilibrated at 37°C before use
- Filter bags should be used during enrichment to minimize particulates
- Enriched cultures should be mixed before sampling
- Enrichment cultures must be handled as potentially infectious material and eliminated according to local rules and regulations

Enrichment

Notes

- Collect samples according to your facility's sampling plan.
- Prepare 2.5% mBPW using DNAble *Salmonella* Media Supplement (Part #11622):
  - Prepare BPW according to manufacturer's instructions and allow cooling to 30°C before adding supplement.
  - Using aseptic technique, add DNAble *Salmonella* supplement to BPW at a ratio of 2.5 to 100 and mix. Once prepared, mBPW may be stored refrigerated for up to three months, protected from light.

1. Place the large sample in ziplock bag or similar bag appropriate for size of sample.
2. Add an appropriate volume of mBPW. We recommend a 1g:10mL weight:volume ratio of sample to mBPW.
3. Mix the sample and mBPW.
4. Incubate overnight at 37°C.

Contact Technical Service for additional matrix information and application notes

Sample Preparation

1. Pre-heat a dry heat block to 98°C. Verify heat block is holding temperature with ±2°C using a simple thermometer.
2. Using a clean pipette tip, transfer 25 µL of MB2 Extraction Buffer to a labeled 1.5 mL microcentrifuge tube. (1 tube per sample)
3. Important: Mix the enriched mBPW (by gentle inversion of tube or massaging of bag) prior to next sampling step.
4. Transfer 125 µL of each enriched sample into the tube containing MB2 Extraction Buffer. Vortex briefly.
5. Heat tubes containing sample and extraction buffer for 15 minutes in heat block. (Set timer)
6. After 15 minutes, remove samples from block and place in a rack.
7. 5 µL of this extracted sample will be used in the subsequent DNAble reaction.

LIMITED WARRANTY

EnviroLogix Inc. ("EnviroLogix") warrants the products sold hereunder ("the Products") against defects in materials and workmanship when used in accordance with the applicable instructions for a period not to extend beyond a product's printed expiration date. If the Products do not conform to this Limited Warranty and the customer notifies EnviroLogix in writing of such defects during the warranty period, including an offer by the customer to return the Products to EnviroLogix for evaluation, EnviroLogix will repair or replace, at its option, any product or part thereof that proves defective in materials or workmanship within the warranty period.

For Technical Support
Contact Us At:

EnviroLogix
500 Riverside Industrial Parkway
Portland, ME 04103-1486 USA
Tel: (207) 797-0300
Toll Free: 866-408-4597
Fax: (207) 797-7533

e-mail: dnable@envirologix.com

Website: **www.envirologix.com**

ENVIROLOGIX MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. The warranty provided herein and the data, specifications and descriptions of EnviroLogix products appearing in EnviroLogix published catalogues and product literatures are EnviroLogix' sole representations concerning the Products and warranty. No other statements or representations, written or oral, by EnviroLogix' employees, agents or representatives, except written statements signed by a duly authorized officer of EnviroLogix Inc., are authorized; they should not be relied upon by the customer and are not a part of the contract of sale or of this warranty.

EnviroLogix does not warrant against damages or defects arising in shipping or handling, or out of accident or improper or abnormal use of the Products; against defects in products or components not manufactured by EnviroLogix, or against damages resulting from such non-EnviroLogix made products or components. EnviroLogix passes on to customer the warranty it received (if any) from the maker thereof of such non-EnviroLogix made products or components. This warranty also does not apply to Products to which changes or modifications have been made or attempted by persons other than pursuant to written authorization by EnviroLogix.

THIS WARRANTY IS EXCLUSIVE. The sole and exclusive obligation of EnviroLogix shall be to repair or replace the defective Products in the manner and for the period provided above. EnviroLogix shall not have any other obligation with respect to the Products or any part thereof, whether based on contract, tort, strict liability or otherwise. Under no circumstances, whether based on this Limited Warranty or otherwise, shall EnviroLogix be liable for incidental, special, or consequential damages.

This Limited Warranty states the entire obligation of EnviroLogix with respect to the Products. If any part of this Limited Warranty is determined to be void or illegal, the remainder shall remain in full force and effect.