DP005	**Dual Performance Salmonella Selective Medium- SS (for pediatric use)**
Formula	
Ingredients:	**gms/lit**
Peptic digest of animal tissue	5.00
Meat Extract B#	5.00
Lactose	10.00
Bile salt mixture	8.50
Sodium citrate	10.00
Sodium thiosulphate	8.50
Ferric citrate	1.00
Brilliant green	0.00033
Neutral red	0.025
Agar	15.00
#- Equivalent to Beef extract	
Solid Phase	7ml
Liquid Phase	20ml
Final pH (at 25°C): 7.0 ± 0.2	

Directions:

Recommended volume of blood to be tested in (DP005)-3-5ml
Label the ready to use Dual performance medium bottle. Remove the top seal of the cap. Disinfect the part of the rubber stopper which is now exposed. Transfer the sample immediately into the culture bottle by puncturing the rubber stopper with the needle. Venting: Use sterile venting needle. Keep the bottle in an upright position preferably in a biological safety cabinet, place an alcohol swab over the rubber stopper and insert the venting needle with filter through it. Insertion and withdrawal of the needle should be done in a straight line. Discard the needle and mix the contents by gently inverting the bottle 2-3 times. Do not vent the bottle for anaerobic cultures. Incubate at 35-37°C for 18-24 hours.

Principle:

The high selectivity of Salmonella Shigella Agar allows the use of large inocula directly from faeces, rectal swabs or other materials suspected of containing pathogenic enteric bacilli. On fermentation of lactose by few lactose-fermenting normal intestinal flora, acid is produced which is indicated by change of color from yellow to red by the pH indicator-neutral red. Thus, these organisms grow as red pigmented colonies Lactose non-fermenting organisms grow as translucent colorless colonies with or without black centers. Growth of Salmonella species appears as colorless colonies with black centers resulting from H_2S production. Shigella species also grow as colorless colonies which do not produce H2S.

(I) QC Tests				
	pH:	7.0 ± 0.2		
	Color:	Colour of agar medium- Reddish orange coloured medium Colour of liquid medium- Red coloured medium		
	Appearance:	Combination of solid and liquid media in single bottle.		
(II)Sterility test		Passes release criteria		
(III)Q.C. Test Microbiological				
	Cultural characteristics observed after incubation at 35-37°C for 18-24 hours.			
	MICROORGANISM (ATCC)	GROWTH ON AGAR MEDIUM	GROWTH IN LIQUID MEDIUM	COLOR OF COLONY
	Escherichia coli 25922	Poor-good	Fair-good	-
	S. Typhimurium 14028	luxuriant	luxuriant	Colorless colonies with black center(H2S production)

	# Klebsiella aerogenes 13048 (00175*)	Poor-good	Fair-good	-
	S. Enteritidis 13076	luxuriant	luxuriant	Colorless colonies with black center(H2S production)
	Salmonella Typhi 6539	luxuriant	luxuriant	Colorless colonies with black center(H2S production)
	Shigella flexneri 12022	luxuriant	luxuriant	Colorless
	Enterococcus faecalis 29212 (00087*)	luxuriant	luxuriant	Colorless
	Salmonella Choleraesuis 12011	luxuriant	luxuriant	Colorless colonies with black center(H2S production)
	Proteus mirabilis 25933	luxuriant	luxuriant	colorless, may have black centre

Refer disclaimer Overleaf

Precautions :	1. In Vitro diagnostic use only.
	2. Read the label before opening the container
Limitations :	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.
Use:	Recommended as a qualitative test for rapid growth and confirmation of Salmonella.
Storage:	Store between 2-8°C. Use before expiry date on the label.
Packing:	7ml of agar medium and 20ml of broth medium in 10 glass bottles

Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.
The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.

Rev: January2022