



**SISCO  
RESEARCH  
LABORATORIES  
PVT. LTD.**

[www.srlchem.com](http://www.srlchem.com)

## Certificate of Analysis

<b>Product</b>	<b>49810 - SIM Medium (Sulfite Indole Motility Medium)</b>
<b>Batch No</b>	<b>9682119</b>
<b>Analysis Date</b>	05-Jun-2024
<b>Date of Manufacture</b>	June 2024
<b>Expiry Date/Re-Test Date</b>	June 2027

Test Parameters	Standards	Actual Results
Appearance (Colour)	Beige	Complies
Appearance (Form)	Free flowing, homogeneous powder	Complies
Solubility	30.00 gm/liter	Complies
Solubility before autoclaving (Clarity)	Clear to slightly opalescent	Complies
pH (25°C)	7.3 ± 0.2	7.15 Complies
Prepared Medium Appearance after autoclaving (Clarity)	Clear to slightly opalescent	Complies
Prepared Medium Appearance after autoclaving (Colour)	Medium amber	Complies
Cultural Response	Using isolated colonies from an 18 - 24 hour culture on solid media, inoculate the SIM medium by stabbing the center of the medium to a depth of 1/2 inch. Incubate with the following organisms at 35-37°C for 18-24 hours. Observe for H <sub>2</sub> S production and motility. After observation of H <sub>2</sub> S and motility, apply three drops of Kovac's Reagent to the surface of the medium.	
Organism	Escherichia coli ATCC 25922	
Inoculum (cfu) 10-100	Growth : Good Motility : (+) ve Indole : (+) ve H <sub>2</sub> S : (-) ve	Complies
Organism	Salmonella typhimurium ATCC 14028	
Inoculum (cfu) 10-100	Growth : Good Motility : (+) ve Indole : (-) ve H <sub>2</sub> S : (+) ve	Complies
Organism	Salmonella typhi ATCC 6539	
Inoculum (cfu) 10-100	Growth : Good Motility : (+) ve Indole : (-) ve H <sub>2</sub> S : (+) ve	Complies

FRM/82/11/3/49810 Rev No. 1 Date 21/04/2024

Prepared by Shikha

In compliance with the standard specifications of SRL

Plant Site 1 : D-88/2, MIDC, Turbhe – 400 705, New Mumbai, India

608-B, Satellite Gazebo, Andheri Ghatkopar Link Road,  
Chakala, Andheri (E), Mumbai - 400 099. India. ☎ +91-22-4268 5800

1/2

[an ISO 9001-2015, 17025:2017, CE, GMP Certified Company](#)

This COA has been generated electronically and it is valid without signature.



**SISCO  
RESEARCH  
LABORATORIES  
PVT. LTD.**

[www.srlchem.com](http://www.srlchem.com)

## Certificate of Analysis

<b>Product</b>	<b>49810 - SIM Medium (Sulfite Indole Motility Medium)</b>
<b>Batch No</b>	<b>9682119</b>
<b>Analysis Date</b>	05-Jun-2024
<b>Date of Manufacture</b>	June 2024
<b>Expiry Date/Re-Test Date</b>	June 2027

Test Parameters	Standards	Actual Results
Organism	Shigella flexneri ATCC 12022	
Inoculum (cfu) 10-100	Growth : Good Motility : (-) ve Indole : (-) ve H2S : (-) ve	Complies
Organism	Klebsiella pneumoniae ATCC 13883	
Inoculum (cfu) 10-100	Growth : Good Motility : (-) ve Indole : (-) ve H2S : (-) ve	Complies
Key	Motility: (+) ve : is observed as diffused growth outward from the stab line or turbidity of the medium. Motility: (-) ve : no diffused growth outward from the stab line or turbidity of the medium. H2S: (+) ve: Blackening of the medium or along the stab line. H2S: (-) ve: No blackening of the medium. Indole: (+) ve : Indicated by a pink-red colour after addition of Kovac's reagent. Indole: (-) ve : No formation of pink-red colour after addition of Kovac's reagent.	

FRM/82/11/3/49810 Rev No. 1 Date 21/04/2024

Prepared by Shikha

In compliance with the standard specifications of SRL

Plant Site 1 : D-88/2, MIDC, Turbhe – 400 705, New Mumbai, India

608-B, Satellite Gazebo, Andheri Ghatkopar Link Road,  
Chakala, Andheri (E), Mumbai - 400 099. India. ☎ +91-22-4268 5800

2/2

[an ISO 9001-2015, 17025:2017, CE, GMP Certified Company](#)

This COA has been generated electronically and it is valid without signature.