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## Product Specification

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**Product Name:** Xylose Lysine Deoxycholate (XLD) Agar

**Product Code:** SG7263 / SG7264

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### PRODUCT DESCRIPTION:

Xylose Lysine Deoxycholate (XLD) Agar is used for the selective isolation of Gram-negative bacteria, especially for Salmonella and Shigella. This product is available in both dehydrated and granulated form.

### Use:

Stir to suspend 56.9 g of dehydrated/granulated medium in 1L distilled H<sub>2</sub>O. Mix well with heat with frequent agitation. Boil for one minute or until it completely dissolves. Do not overheat or autoclave. Allow to cool (40– 45°C) before making additions, such as antibiotics (if desired), before dispensing into petri dishes. For laboratory use only.

### Components:

Yeast Extract – 3.0g/L

L-Lysine – 5.0g/L

Xylose – 3.75g/L

Lactose – 7.5g/L

Sucrose – 7.5g/L

Sodium Deoxycholate – 2.5g/L

Ferric Ammonium Citrate – 0.8g/L

Sodium Thiosulfate – 6.8g/L

Sodium Chloride – 5.0g/L

Phenol red – 0.08g/L

Agar – 15.0g/L

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Item	Description
<b><u>Physical and Chemical Tests</u></b>	
Appearance (dry):	Reddish Powder / Granules
pH (@25°C):	7.4 ± 0.2
<b><u>Microbiological Tests</u></b>	
<i>Salmonella Typhimurium</i> (ATCC 14028)	PR ≥ 0.5, black colonies
<i>Shigella flexneri</i> (CMCC(B)51572)	PR ≥ 0.5, colorless colonies, no black core
<i>Escherichia coli</i> (ATCC 25922)	G < 5, yellow colonies
<i>Staphylococcus aureus</i> (ATCC 6538)	G ≤ 1
<b><u>Quality Control Results</u></b>	

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\* The microbiological test results were obtained from type cultures after incubation at a temperature of 36°C and observed after 24 hours.

**Storage:** Store in a dry and dark place at room temperature. Tighten the cap immediately after use.