

ISO 10273:2003

Scheda 63 : Agar SS (Salmonella/Shigella)

Salmonella/Shigella agar with sodium desoxycholate and calcium chloride (SSDC)

Composition

Yeast extract	5,0 g
Meat extract	5,0 g
Enzymatic digest of animal tissues	5,0 g
Lactose	10,0 g
Bile salts	8,5 g
Sodium desoxycholate	10,0 g
Calcium chloride	1,0 g
Sodium citrate	10,0 g
Sodium thiosulfate pentahydrate ($\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$)	8,5 g
Iron(III) citrate	1,0 g
Brilliant green	0,0003 g
Neutral red	0,025 g
Agar	9 g to 18 g (*)
Water	1000 ml

Preparation

Dissolve the components or the dehydrated complete medium in the water by boiling.

Adjust the pH, if necessary, so that it is $7,4 \pm 0,2$ at 25 °C.

Do not sterilize.

Preparation of SSDC agar plates

Pour approximately 20 ml of the medium, cooled to about 45 °C, into sterile Petri dishes (6.8). Leave to set.

If prepared in advance, the undried agar plates shall be kept in the dark for one week at $8\text{ °C} \pm 2\text{ °C}$ in a

plastic bag. Do not refrigerate at $3\text{ °C} \pm 2\text{ °C}$ as a precipitate forms in the medium and decreases its performance.