

## Triple Sugar Iron Agar (TSI)

N° Cat: 1046

N° Batch: 302092

Re-test Date: 2/2026



### Formula in g/l

Bacteriological agar	12	Ferric ammonium citrate	0,3
Glucose monohydrate	1	Beef extract	3
Phenol red	0,025	Sodium chloride	5
Sodium thiosulfate	0,3	Sucrose	10
Yeast extract	3	Lactose monohydrate	10
Mixture of peptic digest of animal tissue and pancreatic digest of casein (1:1)	20		

Typical formula g/L \* Adjusted and/or supplemented as required to meet performance criteria.

### Quality control

Solubility	Appearance	Color of the dehydrated medium	Color of the prepared medium	Final pH (25°)	Batch pH
w/o rests	Fine powder	Pink	Red	7,4±0,2	7,3

### Microbiological test

Incubation conditions: (35±2 °C / 18-72 h)

Microorganisms	Specification	Characteristic reaction
<i>Shigella flexneri</i> ATCC 12022	Good growth	Red slant, yellow depth, H <sub>2</sub> S (-), gas (-)
<i>Proteus vulgaris</i> ATCC 13315	Good growth	Yellow slant, yellow depth, H <sub>2</sub> S (+), gas (+)
<i>Salmonella typhimurium</i> ATCC 14028	Good growth	Red slant, yellow depth, H <sub>2</sub> S (+), gas (+)
<i>Escherichia coli</i> ATCC 25922	Good growth	Yellow slant, yellow depth, H <sub>2</sub> S(-), gas (+)

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