

GSP Agar Base

Glutamate Starch Phenol Red Agar, Pseudomonas Aeromonas Agar acc. to Kielwein

TN 1271 500 g



Intended use

Used to detect *Pseudomonas* sp. and *Aeromonas* sp. in all kinds of foodstuffs.

Form

Powder

Colour

Red

Storage

Dry, tightly closed, at 10...25 °C.

Shelf life

5 years

Typical composition

Component	g/l
Sodium L-glutamate	10
Starch, soluble	20
Potassium dihydrogen phosphate	2
Magnesium sulfate	0.5
Phenol red	0.36
Agar	12

Directions

Suspend 44.9 g in 1 litre distilled water and heat until completely dissolved. Autoclave at 121 °C for 15 minutes. Cool down to 45-50 °C and mix in 100 000 i.U./litre sodium penicillin G and, if required, 0.01 g/litre pimaricin. Pour plates.

Final pH at 25 °C

7.2 ± 0.2

Microbiological quality control

Incubate GSP Agar Base (Glutamate Starch Phenol Red Agar, Pseudomonas Aeromonas Agar acc. to Kielwein) aerobically for 24-72 hours at 25 ± 1 °C.

Strain	ATCC no.	CFU/ dish	Inoculum control	Growth	Appearance of colonies
<i>Pseudomonas aeruginosa</i>	9027	10-100	blood agar	good	large, red
<i>Pseudomonas aeruginosa</i>	27853	10-100	blood agar	good	large, red
<i>Aeromonas hydrophila</i>	7966	10-100	blood agar	good	large, yellow
<i>Escherichia coli</i>	25922	10-100	blood agar	good	small, red
<i>Citrobacter freundii</i>	8090	10-100	blood agar	good	small, red
<i>Staphylococcus aureus</i>	25923	10-100	blood agar	no growth	n.a.

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