O.G.A. Medium (Oxytetracycline Agar Base)

For the recount and selection of yeasts and moulds in food samples

Formula in grams per liter:

Dextrose	10,00	Yeast Extract	5,00
Bacteriological Agar	15,00		

Final pH: 6,5 ± 0,2 at 25 °C

Preparation:

Suspend 30 grams of the medium in one liter of distilled water. Mix well. Heat with frequent agitation and boil until completely dissolved. Distribute into appropriate containers and sterilize in autoclave at 121º C (15 lbs.sp) for 10 minutes. Allow to cool to 45-50ºC and aseptically add 100 mg of oxytetracycline per liter of medium. Mix well and pour into petri dishes.

Uses:

The pour plate method is recommended to count up incubation at 20ºC-25ºC and exam daily from de second day to de 6^{th}.

In Neutral pH the oxytetracycline, produce best results than when you use low pH medium to inhibit bacterial forms.

These mediums inhibit the acidophilus (Lactobacillus included) that produce no desired growing in acid pH mediums.

Microbiological Tests:

Microorganisms	Growth
Escherichia coli ATCC 25922	Inhibited
Pseudomonas aeruginosa ATCC 27853	Inhibited
Candica albicans ATCC 10231	Satisfactory
Penicillium spp. ATCC 12022	Satisfactory
Aspergillus niger	Satisfactory