

TM 1308 – TRICHOMONAS BROTH BASE NO.2

INTENDED USE

For isolation of *Trichomonas vaginalis*.

PRODUCT SUMMARY AND EXPLANATION

Trichomonas Broth Base No.2 is used for the isolation of *Trichomonas vaginalis*. Stenton reported that incorporation of liver digest in the medium plays an important role in detection of *Trichomonas vaginalis*. Addition of Horse serum makes the medium highly nutritious for *T. vaginalis*. The medium is equally suitable for the examination of urethral and vaginal swabs and urine specimens.

COMPOSITION

Ingredients	Gms / Ltr
Glucose	22.500
Liver digest	18.000
Casein enzymic hydrolysate	17.000
Sodium chloride	5.000
Papaic digest of soyabean meal	3.000
Dipotassium hydrogen phosphate	2.500
Chloramphenicol	0.125
Calcium pantothenate	0.005

PRINCIPLE

Casein enzymic hydrolysate and papaic digest of soyabean meal and liver digest provide the nitrogenous substances. Glucose acts as the energy source. The selective agent chloramphenicol is inhibitory to gram-positive and gram-negative bacteria but not for *Trichomonas* species. Sodium chloride maintains the osmotic equilibrium of the medium. Dipotassium phosphate buffers the medium. Calcium pantothenate acts as a growth factor. The small amount of agar helps to create anaerobiosis.

INSTRUCTION FOR USE

- Dissolve 68.13 grams in 750 ml distilled water.
- Heat if necessary to dissolve the medium completely.
- Mix thoroughly. Sterilize by autoclaving at 5 psi pressure (108°C) for 15 minutes. Cool to 45-50°C.
- Aseptically add 250 ml of sterile horse serum.
- Mix thoroughly and dispense as desired.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder	: Light yellow to light brown homogeneous free flowing powder.
Appearance of prepared medium	: Dark amber coloured clear solution in tubes
pH (at 25°C)	: 6.2±0.2

INTERPRETATION

Cultural characteristics observed after incubation with added horse serum.



Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
<i>Candida albicans</i>	10231	10-100	Good-luxuriant	35-37°C	3-5 Days
<i>Escherichia coli</i>	25922	50-100	Inhibited	35-37°C	3-5 Days
<i>Trichomonas vaginalis</i>	30001	50-100	Good-luxuriant	35-37°C	3-5 Days

PACKAGING:

In pack size of 500 gm bottles.

STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 25-30°C and protect from direct sunlight. Under optimal conditions, the medium has a shelf life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration.













Product Deterioration: Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

DISPOSAL

After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

REFERENCES

- 1.Ronald M. Atlas : Handbook of Microbiological Media 3rd edition CRC Press.
- 2.Stenton P, 1957, J . Med Lab. Technol, 14:228.

 GMP Good Manufacturing Practices Certified	 IVD For In Vitro Diagnostic Use	 QTY. Quantity	 LOT/ B. NO. Lot / Batch Number	 REF Catalogue Number	 Manufacturer
 Temperature Unit	 EC REP Authorized Representative <small>MedNet GmbH Borkstrasse 10, 48163 Münster, Germany</small>	 European Conformity	 QR Code	 Consults Instructions for Use	 Best Before

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

***For Lab Use Only**
Revision: 08 Nov., 2019