# 1212V –VEG.LIVER EXTRACT POWDER
## (Culture media Ingredients)

### INTENDED USE
For cultivation of fastidious anaerobic bacteria. Also for bulk production of vaccines, steroids, enzymes etc.

### PRODUCT SUMMARY AND EXPLANATION
Veg.Liver Extract Powder is prepared from fresh Ox Liver by enzymatic digestion under the controlled conditions. It is efficient in providing growth and amino acids to fastidious microorganisms. Liver Extract is capable of stimulating the production of red blood cells. It is used as a homeopathic medicine and widely used in pharmaceutical industry as a source of nutrient in microbiological culture media.

### PRINCIPLE
It is incorporated in media which is used for the growth of fastidious anaerobic organisms. Liver Extract is rich in vital nutrients including energy producing B Vitamins and serve as an excellent source of proteins. Liver contains many Vitamins and Minerals especially iron. It may be helpful in treating hepatic (Liver) dysfunction and other viral infections.

### INSTRUCTION FOR USE

- Homeopathic medicine
- Micro nutrition
- Treatment of hepatic (liver) dysfunction
- Viral infections
- Certain forms of cancer

### QUALITY CONTROL SPECIFICATIONS

| | | |
|---|---|---|
| **Appearance** | : | Light yellowish to brownish yellow colour, free flowing powder having characteristic meat odour but not pungent. |
| **Solubility (2% soln. at 25°C)** | : | Soluble in distilled water, clear. Insoluble in alcohol |
| **Clarity (2% Soln. at 121ºC)** | : | Clear solution. No ppt. |
| **pH (2% Soln. at 25ºC)** | : | 6.5 – 7.5 |
| **Loss on drying ( at 105ºC)** | : | NMT – 6.0% |
| **Total Nitrogen ( DWB)** | : | NLT – 11.0% |
| **α-Amino Nitrogen** | : | NLT – 3.0% |
| **Total Ash** | : | NMT – 12.0% |
| **Chloride (as NaCl )** | : | NMT – 6.0% |
| **Vitamin B12** | : | NLT – 20 mcg/gm |
| **Microbial Parameter** | : | Passes Test |
| **Growth Promotion Test** | : | Passes Test |

### INTERPRETATION
Cultural Characteristic observed in 2% Veg.Liver Extract Powder and 1.5% agar after incubation at 35-37°C for 18-24 hours.

| Microorganism | ATCC | Growth | Haemolysis |
|---|---|---|---|
| *Neisseria meningitidis* | 13090 | Good-luxuriant | None |
| *Staphylococcus aureus* | 6538 | Good-luxuriant | Beta |

| | | | |
|---|---|---|---|
| *Streptococcus pneumoniae* | 6303 | Good-luxuriant | Alpha |
| *Streptococcus pyogenes* | 19615 | Good-luxuriant | Beta |

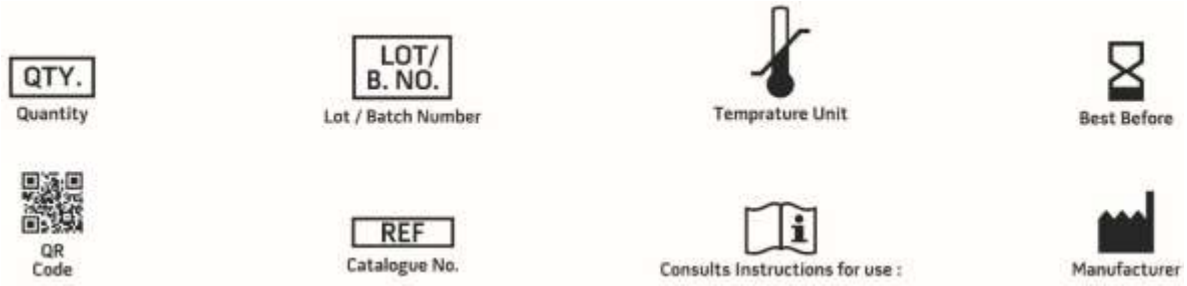
**PACKAGING:**
Standard packing is 500gm in plastic bottle. After packing tightly closed in a dry and well-ventilated place.

**STORAGE**
Keep plastic bottle tightly closed in a dry and well-ventilated place, Store at cool place in tightly closed container and away from bright light. Use before expiry date on label. On opening, product should be properly stored in dry ventilated area protected from extremes of temperature and sources of ignition. Seal the plastic bottle after use.

**Product Deterioration:** Do not use product if any contamination, discoloration or other sign of deterioration is found.

**DISPOSAL**
After use, contact a licensed professional waste disposal service to dispose of this material. Dispose of as unused product.

**REFERENCES:NA.**




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

***For Lab Use Only**
**Revision: 05th Oct. 2019**