

- A single preservative is not suitable for preservation of all pharmaceutical formulations, combination of two or more preservative are used to extend the range & spectrum of preservation.

- Preservative are widely employed in pharmaceutical dosage form such as → emulsion, suspension, semi-solid, parenteral preparation etc.

[DEPTH OF BIOLOGY]

These are some commonly preservatives in different dosage forms. [DEPTH OF BIOLOGY]

Preservative Used in Pharmaceutical formulation

Formulations

Preservatives

- | | | |
|-----------------|---|---|
| ① Tablet | → | Methyl Paraben, Phenol, Cresol. |
| ② Eyedrops | → | Benzalkonium Chloride, Phenyl mercuric nitrate. |
| ③ Liq. Mixtures | → | OH, methyl paraben, chloroform. |
| ④ Semi-Solid | → | Chloro Cresol, Dichlorobenzylalcohol |

[DEPTH OF BIOLOGY]

Characteristic Of Preservative ⇒

Page No. _____

Date _____

- ① Should be able to kill all the Microbes Contaminants rapidly. [DEPTH OF BIOLOGY]
- ② It should be Non-toxic. ③ Not be Irritant.
- ④ It should be Physically & Chemically stable.
- ⑤ Effective at Low Concentration throughout the life of the medicine. [DEPTH OF BIOLOGY]
- ⑥ Cost effective.