

overfilled

Pharmaceutical Incompatibilities

- when two or more ingredients are mixed together to prepare a medicine an undesired change takes place which affects the physical, chemical and therapeutic properties of the medicament. Then the phenomenon is termed as Incompatibility.
- Incompatibilities are usually unintentional.

Incompatibilities may occur during

- ① Compounding
- ② Formulation
- ③ Manufacturing
- ④ Packaging
- ⑤ Dispensing
- ⑥ Storage
- ⑦ Administration

Incompatibility can affect

- ① Safety of medicament
- ② Efficacy of product
- ③ Appearance of medicine
- ④ Purpose of medicament

Types of pharmaceutical incompatibilities

- ① physical incompatibility
- ② chemical incompatibility
- ③ Therapeutic incompatibility.

physical incompatibility:

- when two or more than 2 substances are combined together a physical change takes place and an unacceptable product is formed
- Interaction between 2 or more substances which may leads to change in colour, odour, taste and morphology

physical incompatibility → visible & easily corrected by applying pharmaceutical skill.

physical incompatibility can be corrected by

- 1) changing the Order of mixing
- 2) Emulsification
- 3) Addition of suspending agent
- 4) change in form of ingredient
- 5) Addition or substitution of a therapeutically inactive substance