

Liquid dosage form | Definition, classification, advantage, disadvantage, preparation, additives

Liquid Dosage Forms are useful because some people have the problem of swallowing solid dosage forms.

For the preparation of liquid dosage form, a lot of additive ingredients are needed. Such as vehicles, stabilizers, preservatives, suspending agents, emulsifying agents, solubilizers, colors, flavors, etc.

So now I'm going to discuss all the information in the very easiest way. There are various types of liquid dosage forms like syrup, suspension, ear drop, eye drop, etc.

Definition of liquid dosage form:

The liquid form of a drug dose for administration or consumption. Route of administration may be oral, intravenous, intramuscular, cutaneous, subcutaneous, etc.

There are different types of dosage forms.

1. [Solid dosage form](#),
2. Liquid dosage form,
3. [Semi-solid dosage form](#),
4. Gas dosage form.

Classification of liquid dosage form:

Basically, liquid dosage forms are divided into two parts according to phase.

Monophasic liquid dosage form: Monophasic means only one phase is there. That is the liquid phase.

- **Internal Use-** Syrup, mixture, linctuses, elixirs, parenteral preparations.
- **External use-** Gargle, mouthwash, lotions, nasal drops, eardrops.

Learn: [Monophasic Liquid Dosage Form- Definition, Advantages, Disadvantages, Classification](#)

Biphasic liquid dosage form: Biphasic means two phases are there. That is a solid phase and a liquid phase.

- **Internal Use-** [Suspension](#)
- **External use-** [Emulsion](#)

CLASSIFICATION OF LIQUID DOSAGE FORMS

Monophasic liquid dosageform		Biphasic liquid dosage form	
1.Internal use	2. Externaluse	1.Internal use	2.Externaluse
		Ex:Suspension	ex:s Emulsions
Ex:a)syrup	ex: a)Mouth gargles		
b)mixture	b)Mouth washes		
c)linctuses	c)Skin lotions		
d)Elixirs	d)Nasal drops		
	e)Ear drops		

Advantages and disadvantages of liquid dosage form:

Advantages:

- Very useful for those patients who have trouble swallowing.
- The rate of absorption of the liquid dosage form is so faster than the solid dosage form.
- Liquid dosage forms are flexible to take a proper those than solid dose.

Disadvantages:

- It needs a lot of special storage conditions.
- Affected by microorganisms: Due to the presence of sweetening and flavoring agents.
- Less stable than other doses.
- The problem of container breakage.