

Methods of Preparation.

1. Cold Compression Method.

2. Fusion Moulding Method.

① Cold Compression Method. $\Rightarrow$

[DEPTH OF BIOLOGY]

Used for Theobroma Oil, Insoluble drugs.

- Here Heating & stirring is Not req.

- Used in Cold method.

$\rightarrow$ Firstly we add Cocoa butter & then we add ^{other Ingredients & then add.} remaining Cocoa butter.

$\Downarrow$
We Must Careful.

By Hand.

Power operated
Compression Machine.

- Firstly, we put our mass into cylinder.

- Here, one piston is fitted downside. [DEPTH OF BIOLOGY]

- Piston apply Pressure on Mass.

- One stop-plate is present [It kept Mould Packed].

$\Downarrow$
Homogenous fused Mass/Suppositories formed.

$\Downarrow$
Now, we remove stop plate. Then Suppos. Will eject by further Pressure

$\Downarrow$
You get, Mould with diff. shape & diff. size.

[DEPTH OF BIOLOGY]

② Fusion Moulding Method. $\Rightarrow$

[DEPTH OF BIOLOGY]

- It is used in large scale
- Approx 500 Cavity (1st Here).
- 6-12 Cavities at Dispensary level.
- Most Widely Used method.
- $\Rightarrow$ First of all Calibrate the Mass.

$\downarrow$
& then place them on steam bath.

$\downarrow$
Heat the Mass $\rightarrow$ Pour Into Suppos. $\rightarrow$ made up of (Al, Cu, Ni).

In Suppos. we apply Lubricant (protect from Adhere)

$\downarrow$
Put Into freezer [5 Min.].

$\downarrow$
Then, Melted mass is added in Suppos. Mould.

$\downarrow$
30 Min. (Refrigerator).

$\downarrow$
Then weigh each Suppos.

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[DEPTH OF BIOLOGY]