

# Fluphenazine

## Decanoate Injection USP

### Each ml. contains :

Fluphenazine Decanoate USP	25 mg
Benzyl Alcohol USP	1.2% v/v
(As Preservative)	
Oily Base	q.s.

### GENERAL INFORMATION:

A highly potent Phenothiazine having piperazine side chain. Has marked extra pyramidal effects.

### CATEGORY:

Dopamine receptor antagonist; neuroleptic.

### MOA:

It is postulated that they cause their effects by blocking dopamine receptors in CNS. Depending on to the drug used other pharmacological actions seen in varying degrees include cholinergic, adrenergic, histaminergic and serotonergic blocking activity. The exact mechanism of their action is unknown. When administered to normal person these drugs cause emotional quietening, indifference to surroundings and sedation. When given in psychotics they decrease agitation, aggressiveness and tend to bring behaviour towards normality. Their administration may cause movement disorders. All have minimum autonomic effects and are less likely to cause hypersensitivity reactions, jaundice and convulsions in epileptics.

### PHARMACO KINETICS:

Fluphenazine decanoate and fluphenazine enantate are very slowly absorbed from the site of subcutaneous or intramuscular injection. They both gradually release fluphenazine into the body and are therefore suitable for use as depot injections. The plasma half-life of fluphenazine decanoate has been reported to be 6 to 9 days after intramuscular injection.

### INDICATIONS:

Psychotic disorders including schizophrenia, mania, organic brain syndrome.

### DOSAGE & ADMINISTRATION :

Adults: Psychotic disorders: Injection: Initially 12.5 to 25mg I.M.. Maintenance dose: 50mg. The dose can be repeated or increased cautiously every one to three weeks, in increments of 12.5mg. Maximum dose: 100mg/day. Children: Not recommended.

### CONTRAINDICATIONS:

Coma, drowsiness, extrapyramidal reactions. Hepatic and renal disease.

### ADVERSE EFFECTS:

Insomnia, dry mouth, nausea, epigastric distress, seizures, hypotension, tachycardia.

### SPECIAL PRECAUTIONS:

Epilepsy, intestinal obstruction, cardiovascular disease, pheochromocytoma, cerebral damage.

### INTERACTIONS :

Alcohol : CNS depression, extrapyramidal reactions.  
 Aluminium Salts : Decrease efficacy. Antacids should be given 1 hour before or 2 hours after fluphenazine.  
 Anticholinergics : Decrease efficacy and increase the anticholinergic side effects of fluphenazine.  
 Barbiturates : Decreases efficacy.  
 Barbiturate anaesthetics : Increase frequency and severity of neuromuscular excitation and hypotension.  
 Bromocriptine : Efficacy decreased by fluphenazine.  
 Charcoal : Prevents absorption of fluphenazine.  
 Epinephrine, Norepinephrine : Pressor effect decreased, peripheral vasoconstrictive effect antagonised.  
 Lithium : Disorientation, unconsciousness and extrapyramidal symptoms.  
 Meperidine : Excessive sedation and hypotension.  
 TCAs : Serum concentration increased by fluphenazine.  
 Valproic acid : Efficacy potentiated.  
 Propranolol : Increased plasma levels of both drugs.  
 MAOIs : Additive orthostatic hypotensive effect.  
 Laboratory Tests : Pregnancy tests : False positive results.  
 Plasma bound iodine (PBI) : Increase in PBI occurs.

**Storage : Store in a cool, dark & dry place. Do not freeze.**

Keep out of reach of children.

### PRESENTATION:

10 ampoules of 1ml are enclosed in a plastic tray and each tray packed in a printed box.

Made in India by :



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