

Drug Storage

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1. Introduction

Drug storage is the conditions under which Pharmaceutical products and materials are kept to ensure their stable forms are retained up to the point of use or until it reaches the consumer. The loss of potency during storage may influence the efficacy and safety of Pharmaceuticals

2. Factors affecting dosage forms stability

Stability of drugs depends on both

1. environmental factors : temperature, air, light and humidity
2. drug-related factors : such as the active ingredient itself, the dosage form (tablet, solution, etc.) and the manufacturing process.

3. Instability possibilities in different formulations

1. Suspensions:- Loss of drug content uniformity in different manners from the bottle and loss of elegance.
2. Oral solutions: are Loss of flavor. Change in taste.
3. Parenteral solutions: Discoloration And Presence of precipitate due to interaction with container.



7. Reference

https://documen.site/download/drug-storagesystem-national-orthopaedic-hospital_pdf

4. Drugs that must be stored in refrigerator

- Eye and Ear drops :
Latonoprast , AzaSite
- Reconstituted Antibiotics :
Amoxicillin , Augmentin
- Injections :
Insulin , Vaccines



5. Impact of Drug Storage

1. Antibiotics : if they decay, they can cause stomach or kidney damage.
2. Aspirin : can cause stomach upset (more than the usual)
3. Insulin : small changes in doses in some medicines like these can make a big difference to your health.

6. Conclusion

Drugs serves as an important and integral products in the treatment and they are required to be used at their maximum standard requirements, good Pharmaceutical storage is part of the quality management system that ensures the quality of the Pharmaceutical products