



# Technical Datasheet

**Keep It Fresh – Capsules**  
**For Shelf Life Extension**





## Product Information

KIF Capsules are special device based of innovative technology to absorb ethylene and are filled with natural material that causes volatile bacterial inhibition to extend the shelf life of fresh fruits and vegetables stored in refrigerated conditions.

Fresh Vegetables, Fruits & Flowers start to ripen after harvesting and during the ripening process release ethylene gas and water vapor. This ethylene gas when in the storage package increases the ripening rate of the fresh produce hence aggravating the ripening process resulting into faster rotting of the fresh produce.

The ethylene gas and water vapor produced work as catalyst to the ripening process which in turn causes faster spoilage and microbial damage.

Natural occurring clay and minerals are filled in snap fit box sealed with ultrasonic rays to form Keep It fresh Capsules. KIF Capsules can be placed inside refrigerators and walking coolers with fresh fruits, vegetables and flowers. The Capsules work in a multiple ways to protect and extend shelf life of fresh produce.

1. Absorption of Ethylene – The ethylene produced by the fresh produce is absorbed by the special minerals filled in KIF Capsules that selectively absorb ethylene molecules.
2. Oxidation of Ethylene – The Ethylene is attracted towards the media of Capsule sheets and chips and get oxidized to water and carbon dioxide.
3. Absorption of moisture – The excessive moisture produced within the package is also absorbed which in turn inhibits microbial growth within the package.
4. VBI – The option of having a Natural Vaporising Bio Inhibitor is available with these KIF Capsule.

## Application

Just install the Capsule in the refrigerator or walking cooler where fresh fruits and vegetables are stored. KIF Capsules can be place in household refrigerators or stuck on to the wall of refrigerator with the double tape behind the Capsule KIF Capsule absorbs ethylene gas from the produce and create a bacteria free environment inside the refrigerator to extend the shelf life of packed fresh fruit and vegetables. This would depend upon the kind of fresh produce and the quantity of ethylene produced.



## Packaging

- KIF Capsules are available in Adhesive Packing

An innovation from:

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