



PharmaKeep® Oxygen Absorbers

Purpose

To extend the shelf life and efficacy of pharmaceutical, nutraceutical and diagnostic products by protecting against oxygen degradation and oxidation reactions.

What is it?

PharmaKeep® is an innovative line of oxygen absorbing canisters and packets, developed and distributed jointly by Süd-Chemie Performance Packaging, a business unit of Süd-Chemie Group, and Mitsubishi Gas Chemical Company, Inc. (MGC).



PharmaKeep® oxygen absorbing canisters protect pharmaceuticals and nutraceuticals from oxygen degradation.

PharmaKeep also helps protect IVD products by preventing oxidation reactions common in many IVD chemicals and substrates.



PharmaKeep Packet KH Type (Oxygen):

KH-20: Can absorb at least 20 cu. cm. of oxygen

PharmaKeep Packet KD Type (Oxygen and Moisture):

KD-10: Can absorb at least 10 cu. cm. of oxygen.
With silica gel fill, can absorb at least 0.07 gram of water per packet.

KD-20: Can absorb at least 20 cu. cm. of oxygen.
With silica gel fill, can absorb at least 0.15 gram of water per packet.

PharmaKeep Packet KC Type (Oxygen and Moisture):

KC-10: Can absorb at least 10 cu. cm. of oxygen.
With calcium oxide fill, can absorb at least 0.07 gram of water per packet.

KC-20: Can absorb at least 20 cu. cm. of oxygen.
With calcium oxide fill, can absorb at least 0.15 gram of water per packet.



PharmaKeep packets have the same absorbing function as PharmaKeep canisters and are also available with a combined oxygen and moisture absorbing option.

Typical applications:

- ✓ Pharmaceuticals
- ✓ Nutraceuticals
- ✓ Diagnostics

Why use it?

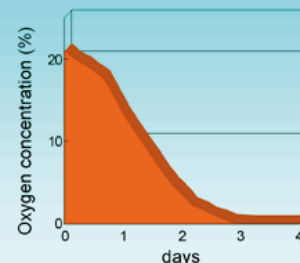
Oxygen is everywhere. However, when oxygen is inside pharmaceutical packaging, it can degrade pharmaceutical formulations and decrease shelf life. PharmaKeep oxygen absorbers help ensure that pharmaceutical products remain effective, even when inevitably exposed to the harmful effects of oxygen.

Oxygen also causes reactions in many chemicals and substrates used in in-vitro diagnostic (IVD) products. PharmaKeep helps prevent these oxidation reactions, ensuring that IVD test kits remain accurate and reliable.

While conventional oxygen absorbers need moisture to absorb oxygen, PharmaKeep absorbs oxygen at low relative humidity levels. It also complies with FDA requirements for contact with pharmaceutical products. Unlike some oxygen absorbers, PharmaKeep does not contain bromide.

Oxygen absorption performance

25°C, 10%RH, 100ml air PharmaKeep® CH-1G



Remark: No effect of relative humidity on oxygen absorption performance.

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MGC

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