



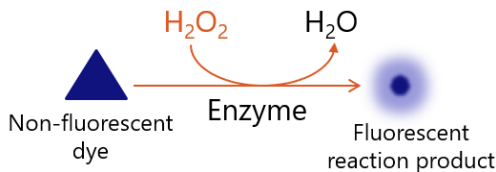
ACTIVE Analysis of Hydrogen Peroxide Traces

- ✓ Diffusion through packaging materials into vials, syringes etc.
- ✓ Absorption of H_2O_2 by packaging materials, stoppers etc.

Trace Analysis

The analysis on H_2O_2 traces is carried out with a sensitive enzyme-linked colorimetric method which employs a fluorescence signal for its analysis.

The concentration of H_2O_2 in a given range (ng/ml) is linearly dependent on the signal of fluorescence, which is determined with a suitable spectrometer.



Why a H_2O_2 -Trace Analysis?

In isolators, different H_2O_2 concentrations occur. For safety as well as quality reasons, it is important for the user to know on the one hand how much H_2O_2 is in the gas phase and on the other hand in the packing materials used and especially in the end product.

Therefore H_2O_2 traces can be measured with our method.

Your Challenges

- Ensure that H_2O_2 residues, entering final drug product containers (e.g. vials, syringes etc.), are within acceptable ranges (impact on the decision of the target concentration after aeration phase)
- Absorption of H_2O_2 residues on empty glass surfaces (vials, syringes), open (unstoppered) filled vials or syringes, or filling line tubings

Our Solutions

- Measurement of H_2O_2 ingress into packaging materials
- Investigation of H_2O_2 uptake by certain materials (e.g. stoppers)

Your Advantages

- Test development on the basis of scientific Know-How
- Interdisciplinary team of experts with extensive experience
- Different target concentrations of H_2O_2 can be simulated (exposure to a constant concentration of H_2O_2 as low as 30ppb)

Our Services

- Decision support and recommendations for action

