

## Shelf life of pre-soaked perform® sterile dry wipes

In many cases, it is possible to pre-soak wipes from our perform® sterile dry wipes product range with disinfectants from our perform® sterile product range and use these pre-soaked wipes over a certain period of time. However, it has to be ensured that the active disinfectant ingredients are nearly completely released again from the pre-soaked wipes to the surface to be disinfected during use.

In order to test the active ingredient release from the pre-soaked wipes and determine their shelf life, multiple studies were carried out in which several perform® sterile dry wipes products were pre-soaked with several disinfectants from the perform® sterile product range. After defined incubation times, the wipes were squeezed out and the active ingredient concentration in the resulting solutions was determined. The test is passed if the active ingredient concentration in the squeezed out solution is at least 90% of the original concentration (in a freshly prepared disinfectant use solution).

Table 1 below lists which product combinations can be used to prepare pre-soaked wipes as well as the shelf life of each of these combinations.

Tab. 1. Shelf life of perform® sterile dry wipes pre-soaked with perform® sterile disinfectant use solutions.

	perform® sterile dry wipes	perform® sterile premium dry wipes	perform® sterile mix dry wipes
perform® sterile PAA	24h	8h	8h
perform® sterile conc. PAA	8h	8h	8h
perform® sterile concentrate OXY	24h	24h	24h
perform® sterile concentrate QB	24h	24h	*
perform® sterile concentrate Q2	24h	24h	*
perform® sterile alcohol EP	†	†	†
perform® sterile alcohol IPA	†	†	†

\* since perform® sterile mix dry wipes are partly made of cellulose, they are not suitable for use with products which contain quaternary ammonium compounds (QAC) as active ingredients. QAC adsorb to the cellulose fibers of the fabric, which leads to an impaired release of active ingredients.

† when using alcohol-based products, there is no risk of an adsorption or degradation of the active ingredients due to interactions with the fabric of the wipes. The shelf life of wipes pre-soaked with alcohol-based disinfectants is mainly dependent on how thoroughly the packaging is closed after the disinfectant solution has been added and each time a wipe has been removed.

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