SafetyTector® S *(Cat. No. CR400-LS)*

Dilution and extraction buffer for immunoassays based on saliva or mucosal swab samples with enveloped virus-inactivating properties

Storage:	2 - 8 °C
pH-value at 19.0 - 21.0 °C:	7.2 ± 0.2
Preservative:	contains < 0.0014 % [w/w] reaction mass of CMIT/MIT (3:1)
Expiry date when stored unopened:	see label on the bottle

For general laboratory use

***SafetyTector® S* is not a chemical disinfectant, antiseptic, or preservative**

Fields of application

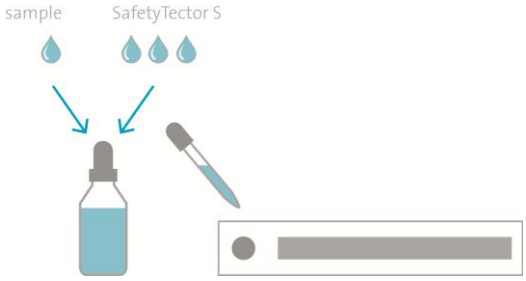
SafetyTector® S is a ready-to-use diluent for immunoassays based on saliva or mucosal swab samples. Diluted samples are directly applied to lateral flow assays as flow buffer. Swabs can be extracted directly with *SafetyTector® S*. Diluted samples can also be used in other immunoassays, such as ELISA. *SafetyTector® S* improves the texture of saliva or mucosal swab samples. When samples are diluted 1:4 in SafetyTector® S (1 part sample + 3 parts buffer), SafetyTector® S has been demonstrated to inactivate a range of tested enveloped viruses within 1 minute, including HSV-1, HSV-2, Influenza A virus, Measles virus, Zika virus and different SARS-CoV-2 variants.[1]

Instructions for use

SafetyTector® S is ready-to-use. Please shake the buffer thoroughly before use.

Dilution of the specimens:
Samples must be diluted in *SafetyTector® S* at least 1:4 (1 part sample + 3 parts *SafetyTector® S*) and mixed thoroughly. Standards and specimens should be treated strictly the same way. *SafetyTector® S* is not suited for long-term storage of specimens.

Lateral flow assays:
SafetyTector® S replaces the dilution buffer, extraction buffer, chase buffer or flow buffer. Saliva should be diluted with at least 3 sample volumes of *SafetyTector® S*. Swabs must be incubated in *SafetyTector® S* and should be squeezed for optimal sample recovery, if applicable. Volume of *SafetyTector® S* should at least be 3 times the maximum capacity of the swab.



Other assay technologies:
SafetyTector® S can also be employed as sample diluent if saliva or mucosal swab samples are analysed by technologies like ELISA, protein arrays, bead assays (e.g. Luminex assays), immuno-PCR, or automated high-throughput immunoassay systems.

Suitability of *SafetyTector® S* for a specific assay must be tested by the user.

For further information please visit www.candor-bioscience.com.

Note: CANDOR products are shipped at ambient temperature. Stability studies have demonstrated that prolonged exposure to ambient conditions does not affect product quality.

SafetyTector is a registered trademark of CANDOR Bioscience GmbH.

1: Conzelmann, C. (2022). *Inhibition, breast milk transmission and pancreatic tropism of SARS-CoV-2.* Doctoral dissertation, Ulm University. https://d-nb.info/1292217618/34