



- DATA SHEET -

**Standard preparation of SARS new Coronavirus  
for diagnostic purposes.**

Berlin, 23<sup>rd</sup> April, 2003

Description

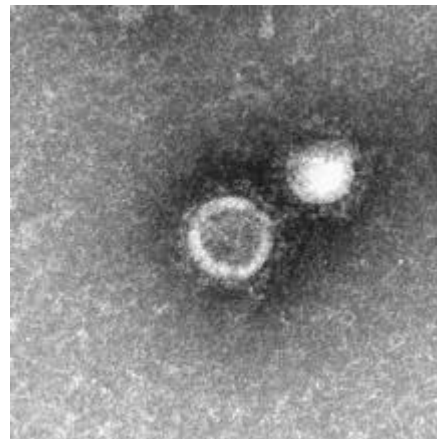
The samples you obtained contain cell culture supernatant of VeroE6 infected with the new Coronavirus causing the „severe acute respiratory syndrome“ (SARS). The samples were thoroughly analysed for infectivity after inactivation by heat and gamma irradiation. According to the inactivation procedures used, we assure you that we provide you with safe and **non-biohazard** material which can be handled under normal laboratory conditions. The virus preparation was diluted in human plasma before aliquoting and freeze drying.

-- The sample must be resolved by adding 100 µl bi.dest. water before use. --

Analysis of the samples

The samples contain a mean of  $9.4 \times 10^6$  genome equivalents per ml (geq/ml) analysed by Christian Drosten, Bernhard-Nocht-Institut, Hamburg, Germany.

In electron microscopy analysis performed by Hans Gelderblom, Robert Koch-Institut, Berlin, Germany we could demonstrate the presence of Coronavirus particles in the samples (see picture).



The infectivity of the cell culture supernatant before inactivation was determined with a titre of  $10^7$ .

Acknowledgement:

The virus isolate was provided by Prof. Dr. Doerr and his colleagues from the University of Frankfurt, Germany and is described in more detail by:

Drosten C., Günther S., Preiser W., van der Werf S., Brodt H-R., Becker S., *et al.* Identification of a novel coronavirus in patients with severe acute respiratory syndrome. *N Engl. J. Med.* published at [www.nejm.org](http://www.nejm.org) on 10 April 2003 (10.1056/NEJMoa030747). <http://content.nejm.org/cgi/reprint/NEJMoa030747v2.pdf>

The sample preparation was performed at the Robert Koch-Institut in Berlin, Germany under the grant from the European Community DG SANCO and was provided by the European Network for Diagnostics of "Impported" Viral Diseases (ENIVD).

We would kindly ask you to acknowledge these contribution in publications mentioning this standard: SARS standard was kindly provided by Matthias Niedrig, Robert Koch-Institut, Berlin

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