

SARS-CoV-2 PCR Diagnostik

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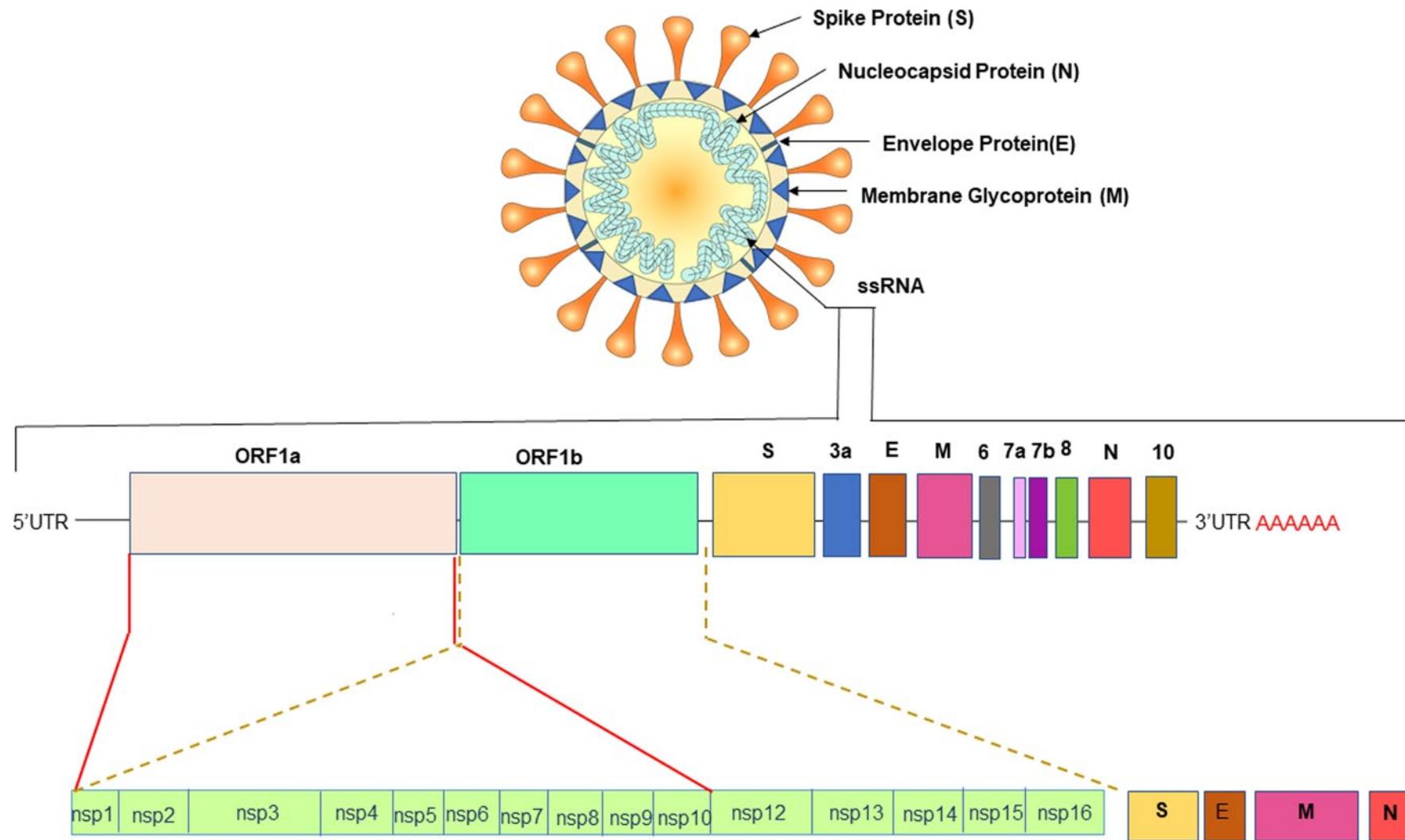
Dem Menschen den richtigen Wert geben.

Inhalt

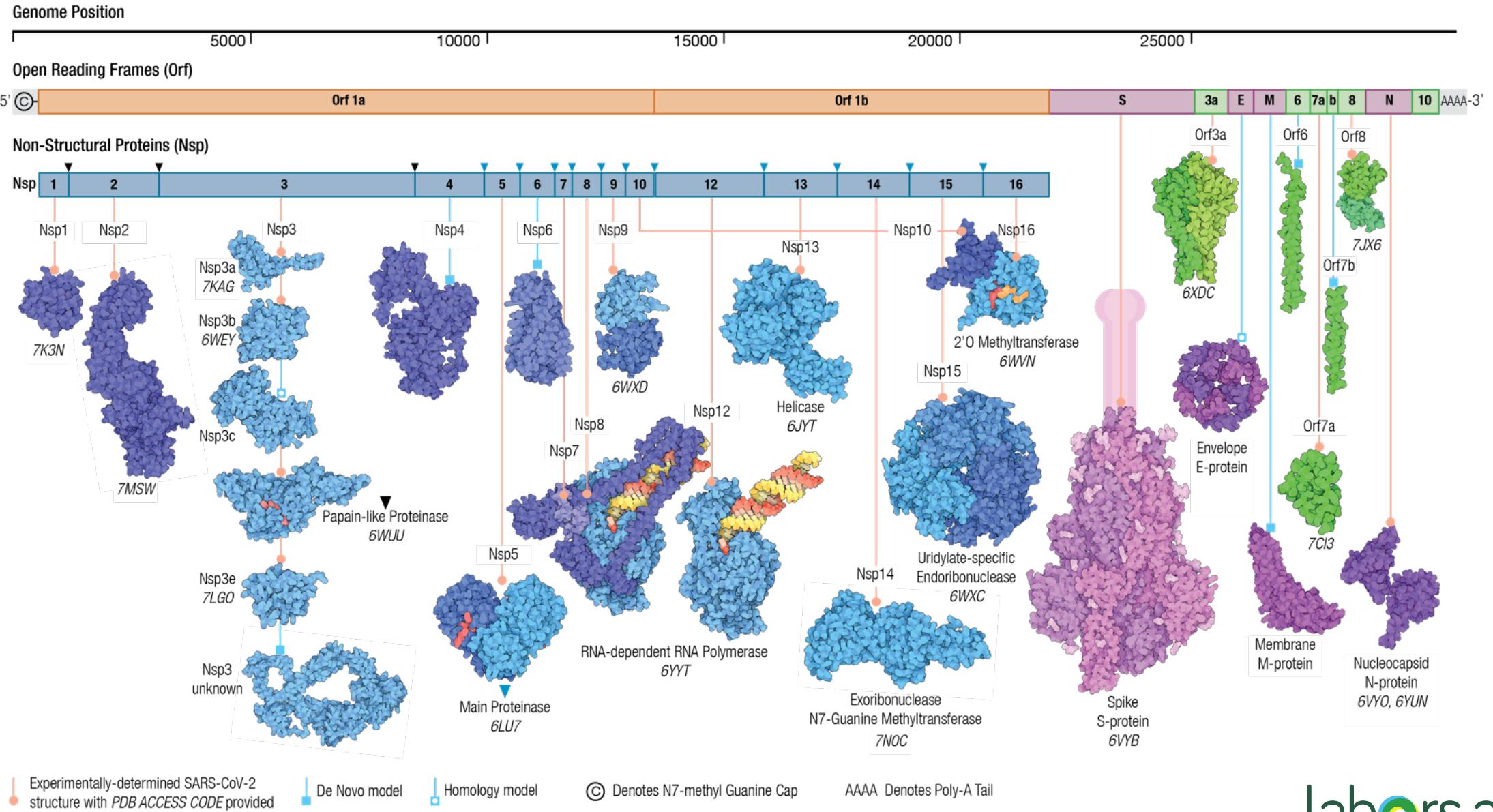
- Dieses Virus...
- Was ist eine PCR?
- Was ist dieser CT Wert?

Dieses Virus...

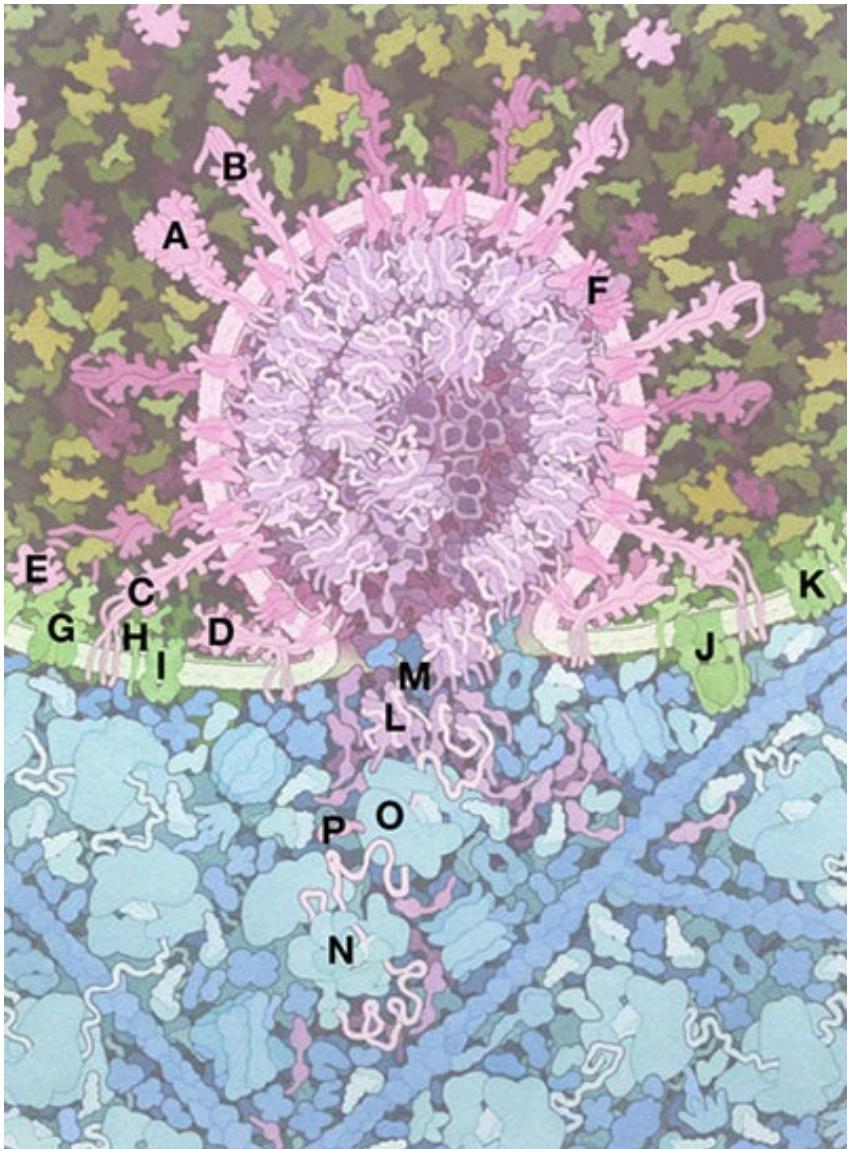
Dieses Virus...



SARS-CoV-2 Genome and Proteins



So dringt es ein

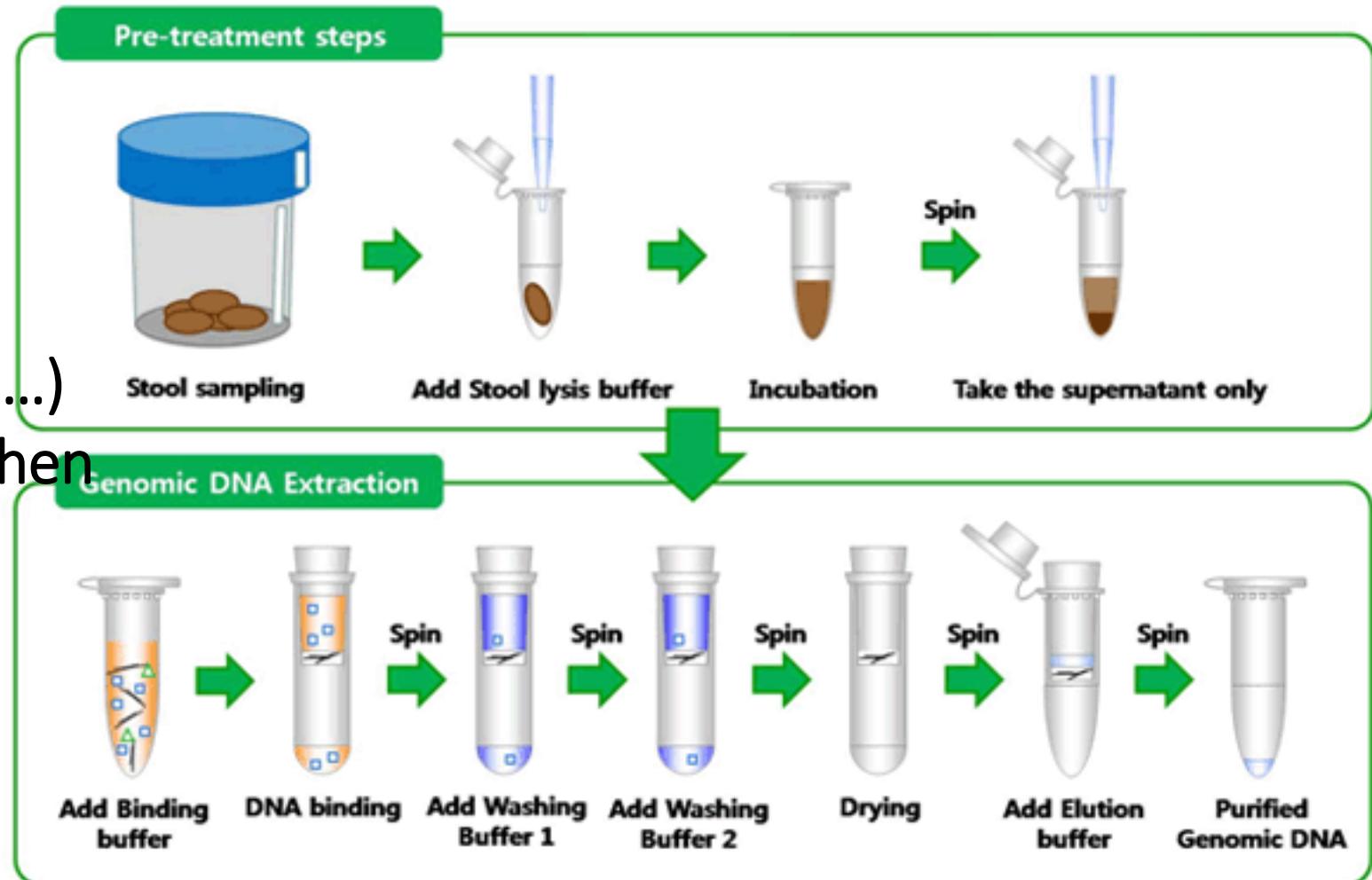


- A. Pre-fusion state of the viral spike protein (6crz)
- B. Viral spike protein S2 domain, after S1 is released.
- C. Viral spike protein inserting into the endosomal membrane
- D. Post-fusion state of the viral spike protein (6xra)
- E. S1 domain of viral spike
- F. Complex of viral M, E (5x29), ORF3a (6xdc) and ORF7a (6w37)
- G. ACE2 (6m17)
- H. LAMP (5gv0)
- I. ABC transporter
- J. V-ATPase (5vox)
- K. Mucolipin (5wj5)
- L. Viral nucleocapsid protein (6m3m, 6wzo)
- M. Viral RNA genome
- N. Ribosomal initiation complex
- O. Translating ribosome
- P. Nascent viral polyprotein

Was ist eine PCR?

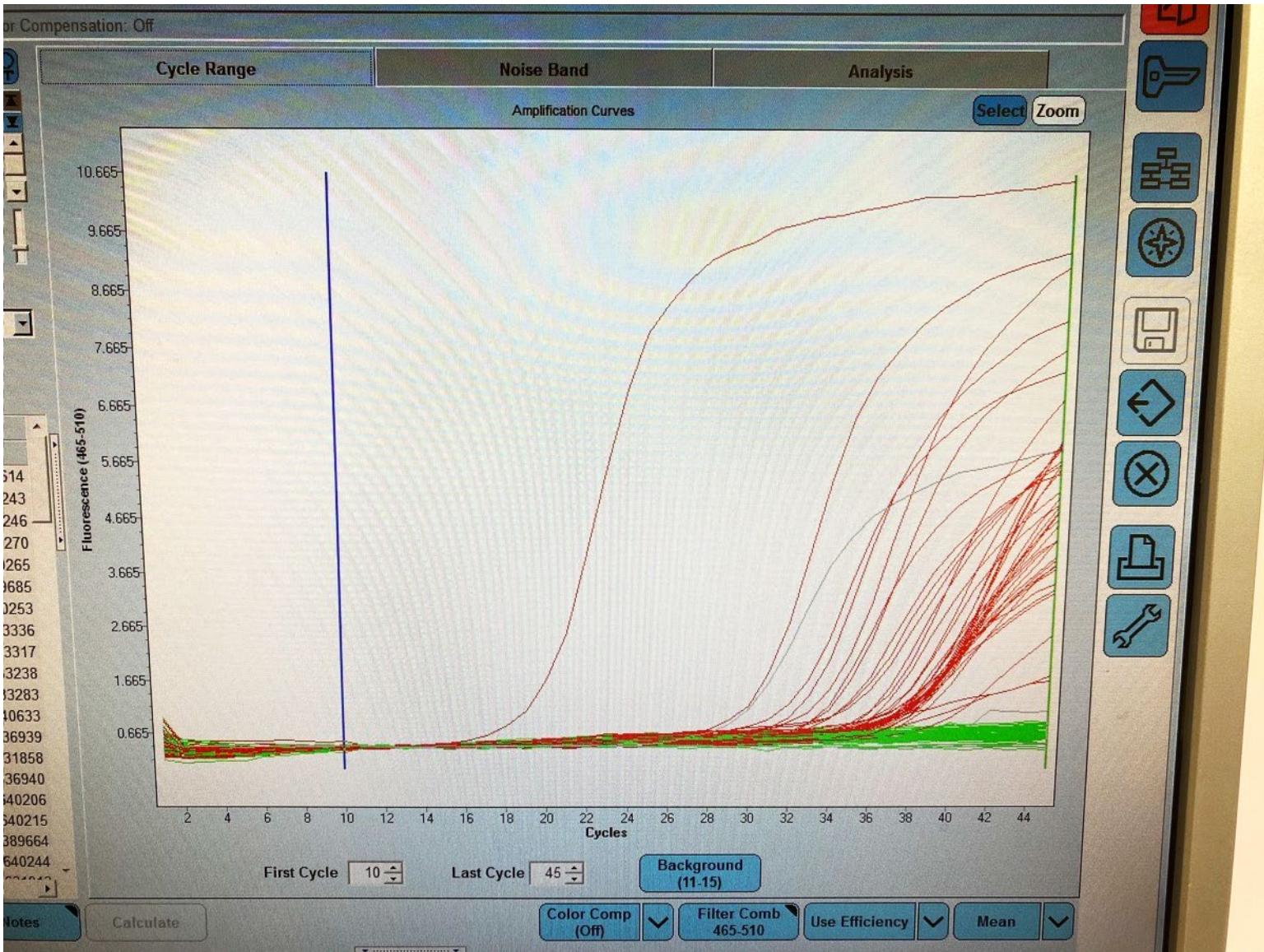
Was ist eine PCR

- Vorbereitung der Patientenprobe
- Mastermix (Primer, Nukleotide, Polymerase...) zu Patientenprobe mischen



Was ist dieser CT Wert?

Der CT Wert



CT Wert 30

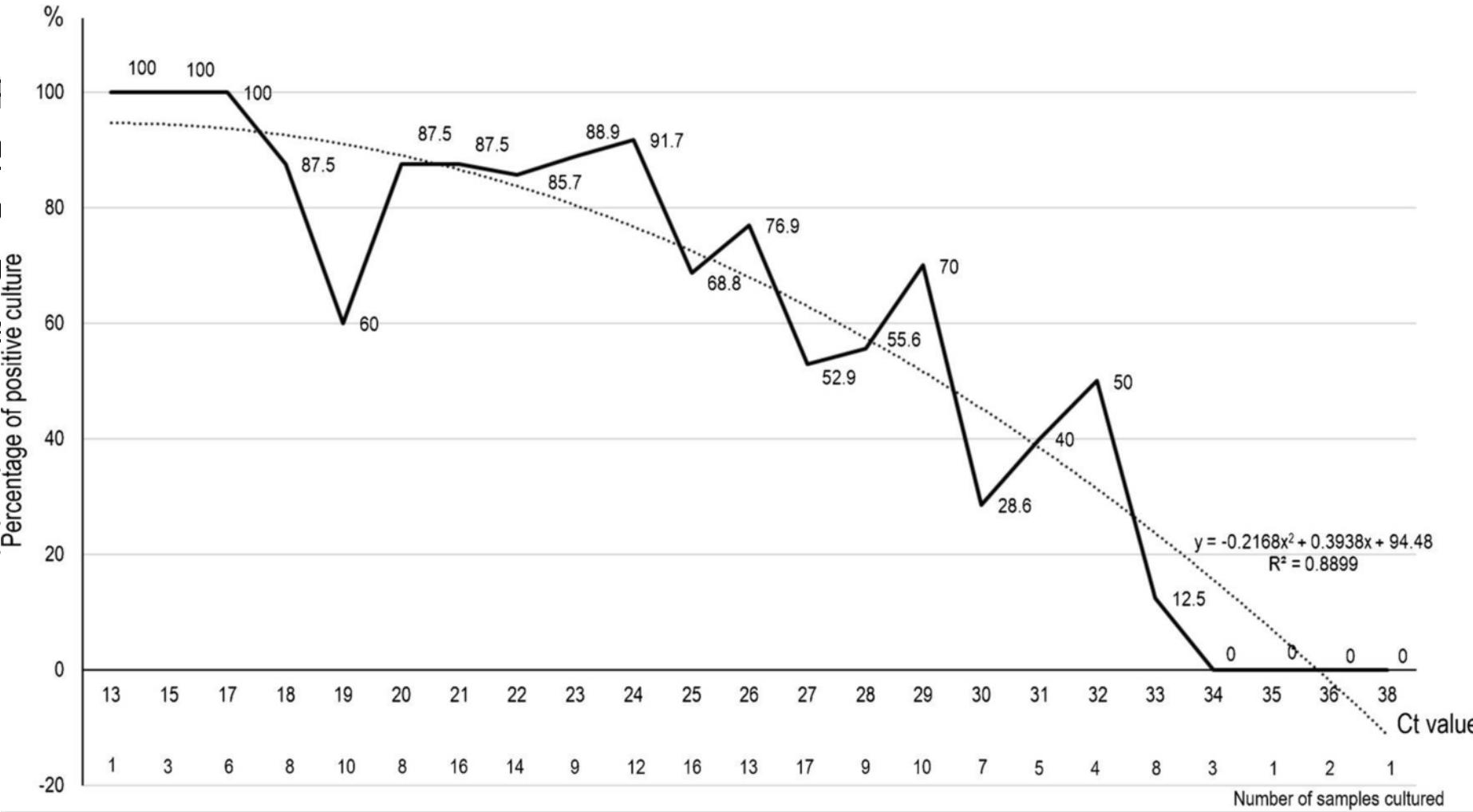
It is of paramount importance to define when a treated patient can be considered as no longer contagious. Correlation between successful isolation of virus in **cell culture** and Ct value of quantitative RT-PCR targeting E gene suggests that patients with Ct above 33–34 using our RT-PCR system are not contagious and thus can be discharged from hospital care or strict confinement for non-hospitalized patients.

Scola et al. Viral RNA load as determined by cell culture as a management tool for discharge of SARS-CoV-2 patients from infectious disease wards Eur J Clin Microbiol Infect Dis 39, 1059–1061 (2020). doi:10.1007/s10096-020-03913-9

CT Wert 30

It is often
longer than
Ct value
33–34 days
in hospital

Scoliosis
discharge
Infect





Dem Menschen den richtigen Wert geben.

9x in Wien

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