

Betreff **RE: Question re Coronavirus RNA**

06.05.2020, 06:07

An Torsten ★

Dear Torsten Engelbrecht,

Thank you for your interest in the paper.  
I hope my answer is helpful to your questions.

- Q1. RNA was extracted from the supernatant of cell culture inoculated with specimen.  
Q2. We could not estimate the degree of purification because we do not purify and concentrate the virus cultured in cells.  
Q3. We took EM pictures from infected cells. not from ultracentrifuged, segmented or concentrated viruses.

Sincerely your,

Myung-Guk

## ----- 원본 메일 -----

보낸사람 : Torsten &lt;tengelbrecht@gmx.net&gt;

받는사람 : &lt;mghan@korea.kr&gt;

받은날짜 : 2020년 5월 6일(수) 02:38:14

제목 : Question re Coronavirus RNA

Dear Myung-Guk Han!

My name is Torsten Engelbrecht and I am journalist in Hamburg, Germany. I am researching the COVID-19 issue. Therefore, with much interest I have read your paper "[Identification of Coronavirus Isolated from a Patient in Korea with COVID-19](#)". In this context please allow me the following question:

Please allow me the following 3 questions:

1. In your paper you write "After inoculating cells with the nasopharyngeal and oropharyngeal samples, RNA was extracted from the virus-replicated cell culture medium". Was RNA obtained from the density at which CoV particles band?
2. What is that density and did you obtain an EM showing the degree of purification?
3. Do the EM shots show ultracentrifuged, sedimented virus particles? And do images show the purified virus?

Many thanks and best wishes, Torsten Engelbrecht

Torsten Engelbrecht

Gertigstr. 20

D-22303 Hamburg

T +49 (0)40 316509

M +49 (0)177 4884187

E [tengelbrecht@gmx.net](mailto:tengelbrecht@gmx.net)