

COMMISSION ON HUMAN MEDICINES (CHM)

COVID-19 VACCINES BENEFIT RISK EXPERT WORKING GROUP - Quality ad hoc Group

Minutes of the meeting held on **Saturday 28th November 2020 at 10:00** via videoconference

Participants Present

Members

Professor K M G Taylor (Chair)
Mr VI G Fenton-May
Mr R Lowe
Professor Y Perrie
Dr R Thorpe
Dr S Walsh¹

Observer - CHM

[Redacted]

BioNTech/Pfizer Representatives

[Redacted]

Secretariat

[Redacted]

Professional Staff of MHRA Present

Principal Assessors

[Redacted]

Supporting specific items

[Redacted]

MHRA Observers

[Redacted]

[Redacted]

[Redacted]

Dr J Raine - MHRA-CEO

Dr N Rose - MHRA-NIBSC

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

18th January 2021

¹ Joined during item 3

Key

LD = Licensing Division
NIBSC = National Institute for Biological Standards & Control
VRMM = Vigilance & Risk Management of Medicines
CTBV = Clinical Trials, Biologicals & Vaccines EAG
CPS = Chemistry, Pharmacy & Standards EAG
PHE = Public Health England
CHM = Commission on Human Medicines
DMO = Deputy Medical Officer

Dir = Director of Operational Transformation
MHRA CEO = Chief Executive
IE&S = Inspection, Enforcement & Standards

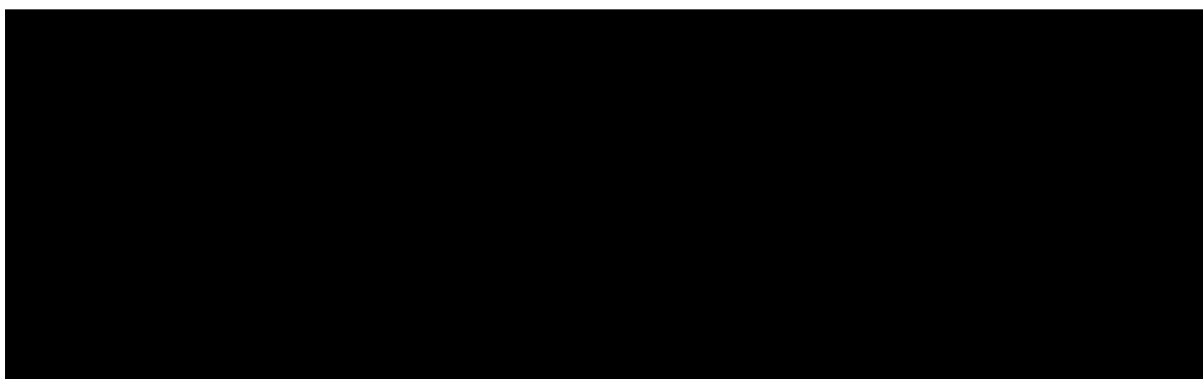
1. Introduction and Announcement

1.1 The Chair reminded Members that the content of papers and proceeding of the meeting are strictly confidential and should be treated as 'Official – sensitive commercial' and should not be disclosed. There is no consent for members / participants to record the meeting, take screenshots or photographs of presentations. The meeting was recorded by the MHRA Secretariat for minute taking purposes only. The Chair & Members including all participants gave full consent to the recording prior to the start of the meeting.

1.2 Conflict of Interest Policy (Annex I to the minutes)

The Chair reminded members and participants that, in accordance with the CHM Code of Practice, they should declare any financial interests (personal or non-personal, specific or non-specific) which they have, or which an immediate family member has, in any of the agenda items. Members were also reminded to declare any other matter which could reasonably be perceived as affecting their impartiality.

1.3 The following members, invited experts and observers declared the following interests and other relevant interests for this meeting:




1.4 The Chair welcomed:


Company representative from BioNTech / Pfizer at 11am.



2. Quality Assessment Report

2.1 The EWG quality sub-group heard that there had been a last-minute change to the batches relevant for the UK for a potential Regulation 174 opinion as of the evening of Friday 27th November. 



The EWG quality sub-group also heard that two further batches are also identified as being the next two batches intended for UK supply. 



2.2 The preliminary assessment report on EJ0553, EJ0724 and EJ1688 was sent to the EWG quality sub-group members during the discussion. This report was based on the submission received the day before (27.11.2020). An accompanying paper highlighted the comparability

between the drug substance (RNA), as well as the drug product (manufacturing process) used in clinical trials, emergency and commercial use.

2.3 The company joined the meeting to address questions on the concerned batches, which prioritised the following issues: [REDACTED]

[REDACTED]

2.4

[REDACTED]

2.5

[REDACTED]

2.6

[REDACTED]

2.7

[REDACTED]

2.8

2.9

2.10 The EWG quality sub-group considered the late migrating RNA species (LMS) found in a drug product batch and not found in drug substance. The EWG quality sub-group were satisfied that the use of orthogonal methods to characterise this species as (likely) conformationally folded or reversibly aggregated RNA that is not denatured in the sample preparation of the CGE method supports the claim that this is actually an artefact of sample handling required to perform the RNA integrity test which requires extraction and denaturing of the RNA from the LNP before being assayed. This is not required for drug substance analysis where this species is not observed.

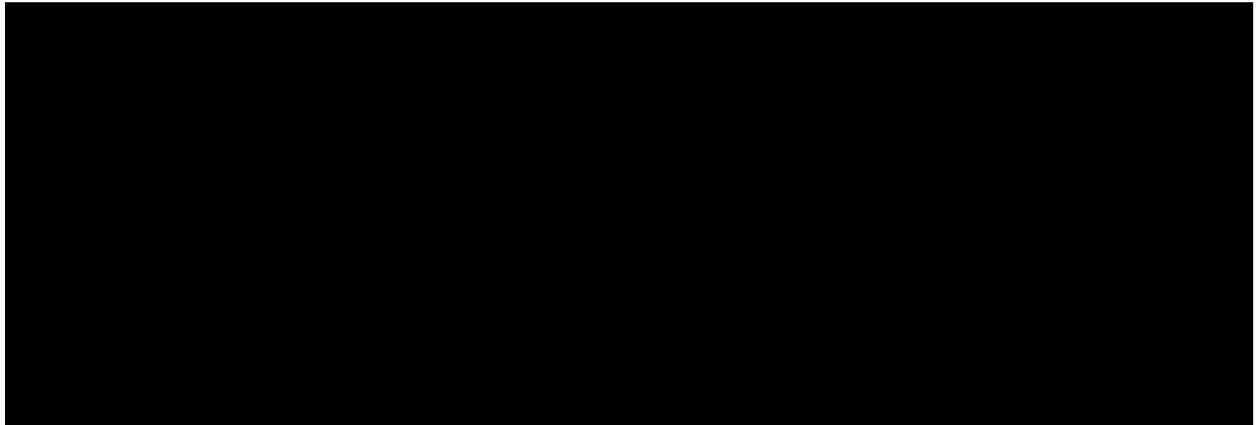
2.11

2.12 The EWG was informed about difficult to interpret results regarding the length of the polyA tail found in the CoA for batch EJ0553. They considered this concern mitigated by the potency results for this batch, which appeared to be within the clinically qualified ranges.

2.13 The EWG sub-group considered that whilst the new batch under consideration was considered more acceptably comparable to previous clinical trial batches whereas the original two batches had not been, this was only through comparison with this single batch.

2.14 A concern about the continuity of supply of the vaccine was raised. It was considered important for deployment of the product in mass vaccination programme.

2.15 The EWG quality sub-group considered stability of the drug product in relation to the deployment model as it is understood. It was confirmed that there are no stability data available for the batch concerned and there was in fact no interpretable stability data from any so-called emergency use batches manufactured through process 2. It was confirmed to the sub-group that all stability statements were based on reliance of extrapolating stability data found on process 1 small scale clinical trial batches. Where total reliance was difficult to accept for the original batches under consideration this seemed more feasible to the sub-



2.16 The company agreed to provide further data on rubber stopper fragmentation studies qualifying multiple punctures of the rubber stopper after exposure to ultra low temperatures.

2.17 Overall, the EWG quality sub-group was positive in their opinion on the quality of the drug product batch under consideration [REDACTED]



3. Future Steps / Any Other Business

3.1 None.

4. Date and time of next meeting

N/A

The Meeting started at 10:05 and ended at 15:21.

Members are reminded that the content of papers and proceeding of the meetings are to be treated as 'Official – sensitive commercial'. Members are also reminded that, in accordance with the Code of Practice, they should declare any financial interests (personal or non-personal, specific or non-specific) which they have, or which an immediate family member has, in any of the agenda items. Members must also declare any other matter which could reasonably be perceived as affecting their impartiality. Detailed guidance is set out in the Code of Practice

Conflict of Interest Policy for CHM COVID-19 Vaccine Benefit Risk EWG

Chair and Members

- May not hold current personal interests in one or more companies associated with the development of COVID-19 vaccines
- May not currently be or have previously been involved in the development of COVID-19 vaccines

Invited to all meetings, receives all papers and presentations and is permitted full participation in discussion, including drawing up conclusions and recommendations

Invited experts

- May hold current personal interests in one or more companies associated with the development of COVID-19 vaccines
- May currently be or have previously been involved in the development of COVID-19 vaccines

May be invited to all relevant meetings, receives all papers and presentations and is permitted to participate in discussions when invited by the Chair. Does not contribute to conclusions and recommendations

Observers

Are invited to attend all meetings. Will not participate in drawing up conclusions and recommendations.