

Regulatory Tools to Support Early Access

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Overview



Mechanisms for Communication with FDA about CMC (quality) topics

Communicate throughout all stages of product development

Opportunities for enhanced communication after Breakthrough or RMAT designation

Communication after licensure

CMC approaches during expedited development

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Opportunities for communication throughout development



Novel products & rapid timelines → Increased need for feedback from regulators during CMC development

Engage FDA CMC team throughout the product lifecycle

Communication is especially important for:

Topics that lack published guidance Special circumstances

Outline of the next few slides

General enquiries

Meetings with FDA before and during IND

Breakthrough or RMAT → more interaction

Communication via amendments to IND, BLA or NDA

General advice



CBER – Manufacturers Assistance and Technical Training Branch

https://www.fda.gov/BiologicsBloodVaccines/ResourcesforYou/Industry/ucm620156.htm

CDER – Small Business and Industry Assistance

https://www.fda.gov/Drugs/DevelopmentApprovalProcess/SmallBusinessAssistance/ucm 053133.htm

When to use these channels

If unsure who to contact

To request that FDA hold a liaison meeting with industry

Finding webinars and guidance documents

Meetings with FDA



Meetings may be face to face, teleconference, or written response FDA generates official non-binding meeting minutes

Type A Stalled development or dispute

Type B Pre-IND, pre-NDA, pre-BLA, Breakthrough/RMAT

Type B(EOP) End of phase meeting

Type C All other meetings

| Meeting Type | Meeting Scheduling or Written Response Time |
|---------------------|--------------------------------------------------|
| A | 30 calendar days from receipt of meeting request |
| В | 60 calendar days from receipt of meeting request |
| B(EOP) | 70 calendar days from receipt of meeting request |
| С | 75 calendar days from receipt of meeting request |

Interactions before an IND



INTERACT meeting (new program, CBER only)

Early advice for pre-clinical studies or CMC issues that need to be planned well in advance

Informal, non-binding, no written meeting minutes

Will try to schedule teleconference within 90 days

https://www.fda.gov/BiologicsBloodVaccines/ResourcesforYou/Industry/ucm611501.htm

Pre-IND meeting

Type B meeting

Written meeting minutes issued

Communication during investigational phase



Meetings for major topics and major developmental milestones Benefits of Breakthrough and RMAT designation:

Intensive guidance on efficient drug development Involvement of senior managers

Routine amendments to the IND

May be faster than a formal meeting in many cases

.... may be slower in other cases (workload priorities)

In some situations, FDA may prefer a formal meeting

Communication via amendments allows plans and protocols to be revised through several iterations, if needed

For example: comparability protocols, potency assay, stability protocols

Parallel scientific advice (EMA/FDA)

Meeting scheduled around 60 days after request

Either full joint meeting or "consultative advice"

Communication during and after review of a license application



During application review

Applicant orientation meeting (optional)

Mid-cycle communication / late-cycle meeting

Ad hoc teleconferences, if needed

Submit amendments in response to FDA requests

Continued communication after licensure

Supplement and amendment submission

License holder can request meetings

Ad hoc teleconferences may be an option

CMC approaches during expedited development



Essential goal: Ensure the availability of a quality product at time of approval

FDA may exercise some flexibility on the type and extent of manufacturing information that is expected at the time of submission and approval for certain components. Case by case, dependent on:

Product characteristics

Seriousness of condition and medical need

Manufacturing processes

Robustness of quality system

Strength of the risk-based quality assessment

Examples of potential flexibilities

Stability updates

Validation strategies

Inspection planning

Manufacturing scale up

Use of post marketing commitments

Examples of flexible CMC approach



Stability

Special protocol assessment (rarely used)

Note: ATMPs are out of scope for ICH Q5C

Prior knowledge / supporting data may be relevant (example: frozen products)

Concurrent release of PPQ batches for distribution before completion of process validation

Might be applicable in rare cases, such as:

Limited demand / limited manufacturing To alleviate short supply

Priority review

8 month review, instead of 12 months

Rolling NDA or BLA

Submission of portions of application

Note: Module 3 must be complete at the time of NDA/BLA submission

Examples of flexible CMC approach: DA **Post-licensure**



Comparability protocol (equivalent to PACMP)

Formal plan to implement specific future manufacturing changes and analyze impact on product

May lower the reporting category for post-approval change and allow faster implementation of the change

Can be submitted in NDA/BLA, or after licensure as a PAS

For licensed autologous cell therapies:

In EU, OOS batches may be released and administered under certain circumstances

In US, OOS batches cannot be distributed commercially May still be possible to use as investigational drug under IND

Summary



Communicate early and often about CMC

Milestone meetings

Breakthrough and RMAT meetings

Amendments

Flexible CMC approaches may be applicable to expedited development programs

A licensed product must still be high quality

Applying flexibilities requires significant discussion with FDA

Relevant FDA guidances



- 1. Formal meetings between the FDA and sponsors or applicants of PDUFA products (Draft, 2017)
- 2. IND meetings for human drugs and biologics: Chemistry, manufacturing, and controls information (2001)
- 3. Expedited programs for serious conditions drugs and biologics (2014)
- 4. Expedited programs for regenerative medicine therapies for serious conditions (Draft, 2017)
- 5. General principles: EMA-FDA parallel scientific advice (human medicinal products) (2017)
- 6. Comparability protocols for human drugs and biologics: Chemistry, manufacturing, and controls information (Draft, 2016)
- 7. Process validation: General principles and practices (2011)
- 8. Chemistry, manufacturing, and controls changes to an approved application: Certain biological products (Draft, 2017)
- 9. Special protocol assessment (2018)

CBER Contact Information



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□ Regulatory Questions:

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□ References for the regulatory process for OTAT

http://www.fda.gov/BiologicsBloodVaccines/GuidanceComplianceRegulatoryInformation/OtherRecommendationsforManufacturers/ucm094338.htm

OTAT Learn Webinar Series:

http://www.fda.gov/BiologicsBloodVaccines/NewsEvents/ucm232821.htm



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CBER Contact Information







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