# CENTER FOR DRUG EVALUATION AND RESEARCH

APPLICATION NUMBER: 21-859

### MICROBIOLOGY REVIEW

## **Product Quality Microbiology Review Review for HFD-520**

#### 04 AUG 2005

NDA:

21-859

**Drug Product Name** 

Proprietary:

Hylenex (was Enhanze SC)

Non-proprietary:

recombinant human hyaluronidase

**Drug Product Priority Classification: P** 

Review Number: 1

Dates of Submission(s) Covered by this Review

Letter	Stamp	Consult Sent	Assigned to Reviewer
18 MAR 2005	24 MAR 2005	28 MAR 2005	04 APR 2005

#### Submission History (for amendments only) N.A.

Applicant/Sponsor

Name:

Halozyme Therapeutics, Inc.

Address:

11588 Sorrento Valley Road Suite 17

San Diego, CA 92121

Representative:

Don Kennard, V.P. Quality

Telephone:

858 794-8889 ex 208

Name of Reviewer:

James L. McVey

**Conclusion:** Recommend approval from a Product Quality Microbiology perspective.

filename: 21859r1

### **Product Quality Microbiology Data Sheet**

A.	1.	TYPE OF SUBMISSION: New drug application, electronic				
	2.	SUBMISSION PROVIDES FOR: Manufacturing and sale.				
	3.	MANUFACTURING SITE: Manufacturing, testing and packaging will be done at:  Establishment Number				
4.	DOSAGE FORM, ROUTE OF ADMINISTRATION AND STRENGTH/POTENCY: 150 USP Units in 1 mL. Injection (not IV)					
	5.	METHOD(S) OF STERILIZATION:				
	6.	PHARMACOLOGICAL CATEGORY: Used as an adjuvant.				
В.	SUP	PORTING/RELATED DOCUMENTS: DMF				
C.	comp based reque which serun they	IARKS: DMF — has a series of extensive annual updates rather than elete replacement. For this reason areas not covered are deemed acceptable on prior reviews. At some point a complete DMF revision should be ested. A lot of the material needed is provided in the electronic document, has reviewed first. The drug substance (provided sterile) and the human albumin (provided sterile) were not reviewed for sterility assurance since are components of the finished drug product which is formulated under non e conditions. These components were reviewed for viral clearance.				

#### **Executive Summary**

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II.	К	ecom	me	end	at	ion:	ς

- A. Recommendation on Approvability Approve
- B. Recommendations on Phase 4 Commitments and/or Agreements, if Approvable None
- II. Summary of Microbiology Assessments
  - A. Brief Description of the Manufacturing Processes that relate to Product Quality Microbiology The recombinant hyaluronidase is added to the compounded base solution last and the final volume is adjusted based on activity. The compounded bulk drug solution may be stored at 2-8 °C prior to
  - **B.** Brief Description of Microbiology Deficiencies No deficiencies were noted.
  - C. Assessment of Risk Due to Microbiology Deficiencies N.A.

#### III. Administrative

Microbiology Reviewer

B. Endorsement Block

Brian Riley Ph.D.

C. CC Block

**DFS** 

# Page(s) Withheld

\_\_\_\_\_ § 552(b)(4) Trade Secret / Confidential

\_\_\_\_\_ § 552(b)(5) Deliberative Process

\_\_\_\_\_ § 552(b)(5) Draft Labeling

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/s/

James McVey 8/5/05 09:09:48 AM MICROBIOLOGIST

Bryan Riley 8/5/05 09:40:05 AM MICROBIOLOGIST