



**ARL BIO PHARMA**  
 840 RESEARCH PARKWAY, SUITE 546  
 OKLAHOMA CITY, OK 73104  
 PHONE (405) 271-1144  
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# Microbiology Report

CLIENT: BET Pharmacy-KY  
 Web Report

ARL #: 457544-01

LOT #: 29447@4

DESCRIPTION: histrelin 50 mcg/mL

DATE RECEIVED: 03/21/2018

STORAGE: 2°C to 8°C (35.6°F to 46.4°F)

CONTAINER: Five 30 mL amber vials w/ 30 mL each in a clear bag

ANALYSIS	Limits	Results	Test Method	Date Tested
Sterility (*Preliminary*)	Sterile / Not Sterile	No Growth at 5 Days	MBI-144	03/21/2018
Endotoxin	20.00 EU/µg	<0.08 EU/µg	USP <85>	03/26/2018
Fungal	Sterile / Not Sterile	No Growth at 5 Days	MBI-114	03/21/2018

MBI-144 is listed as the sterility test method due to sampling not being performed per USP <71> guidelines and/or method suitability cannot be traced to your specific formulation.

03/26/2018

Kerri Hirst - Microbiologist II

Date Reported

*Sterility – This preliminary report was issued after approximately 72 hours of incubation. In accordance with the test methodology, the sample will be incubated for 14 days; if there is any change in the sample a supplemental report will be issued.*

*Fungal – This preliminary report was issued after approximately 4 days of incubation. In accordance with the test methodology, the sample will be incubated for 14 days; if there is any change in the sample a supplemental report will be issued.*

*Endotoxin - To calculate the endotoxin limit use the following formulae:  $EL = K/M$  where  $K$  = tolerance limit (EU/kg) and  $M$  = Maximum dose/kg/hour or Maximum dose/kg*

*Parenteral:  $K$  is 5 EU/kg for any route of administration /Intrathecal:  $K$  is 0.2 EU/kg body weight)*

*Radiopharmaceutical parenteral:  $K$  is 175/V or Intrathecal radiopharmaceuticals:  $K$  is 14/V, where  $V$  is the maximum recommended dose in mL.*

*Dermal Application:  $K/M$ , where  $K$  = 5 EU/kg and  $M$  is the (maximum dose/m<sup>2</sup>/hour × 1.80 m<sup>2</sup>)/70 Kg.*

Results reported above relate only to the sample that was tested.



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CONTAINER: Five 30 mL amber vials w/ 30 mL each in a clear bag

ANALYSIS	Limits	Results	Test Method	Date Tested
Sterility	Sterile / Not Sterile	No Growth at 14 Days (subcultured) *	MBI-144	03/21/2018
Fungal	Sterile / Not Sterile	No Growth at 14 Days (subcultured) *	MBI-114	03/21/2018

MBI-144 is listed as the sterility test method due to sampling not being performed per USP <71> guidelines and/or method suitability cannot be traced to your specific formulation.

\* This is not a final result. After 14 days of incubation, the material being tested rendered the media turbid so that the presence or absence of microbial growth cannot be readily determined by visual examination. Per USP <71>, the sample will be inoculated into new growth media and incubated for an additional 4 days before the test is complete. An updated report will be issued at the conclusion of the test.

04/04/2018

Kerri Hirst - Microbiologist II

Date Reported

*Sterility – 14 day sterility report. In accordance with the test methodology, the sample was incubated for 14 days.*

*Fungal – 14 day fungal report. In accordance with the test methodology, the sample was incubated for 14 days.*

*Results reported above relate only to the sample that was tested.*



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CONTAINER: Five 30 mL amber vials w/ 30 mL each in a clear bag

ANALYSIS	Limits	Results	Test Method	Date Tested
Sterility	Sterile / Not Sterile	Sterile	MBI-144	03/21/2018
Fungal	Sterile / Not Sterile	Sterile	MBI-114	03/21/2018

MBI-144 is listed as the sterility test method due to sampling not being performed per USP <71> guidelines and/or method suitability cannot be traced to your specific formulation.

04/09/2018

Kerri Hirst - Microbiologist II

Date Reported

*Sterility – 18 day sterility report. In accordance with the test methodology, the sample was incubated for a minimum of 18 days.*

*Fungal – 18 day fungal report. In accordance with the test methodology, the sample was incubated for a minimum of 18 days.*

*Results reported above relate only to the sample that was tested.*