

**LHRHA- leutenizing hormone-releasing hormone analogue injection, powder,  
for suspension  
Western Chemical Inc.**

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**LHRHa**

**Leutenizing Hormone-Releasing Hormone analogue**

**WARNING:**

Care should be taken to avoid accidental contact or self-injection. In the event of accidental self-injection, seek medical advice immediately. KEEP OUT OF THE REACH OF CHILDREN

**CAUTION:**

FOR USE IN BROODSTOCK ONLY

NOT FOR USE IN HUMANS

**STORAGE:**

Store below 25°C and protect from sunlight. Solutions may be frozen and used at a later date.

**DIRECTIONS FOR USE:**

LHRHa is packaged as a powder ready to be diluted with sterile saline for injection.

LHRHa is a broad species (low specificity) spawning enhancement peptide. The peptide is intended to provide the ability to synchronize spawns and reduce waiting times and spawn failures. Fish must be sexually mature.

**CLEANLINESS** – Ensure that all equipment is clean, and if possible, sterilized. Always clean equipment with a disinfectant between applications.

**INJECTION** – Hold the fish firmly and insert the needle into the belly behind the pelvic fin, in the muscle on either side of the dorsal fin or subcutaneously. Inject LHRHa carefully, and quickly remove the needle. Gently place the fish into a container or clean aerated water.

**SEDATION FOR HANDLING** – If necessary sedate broodstock prior to injection.

**RECOVERY** – After the fish has recovered from any sedation (5 to 10 minutes), return it to the breeding tank.

**DOSE CALCULATION:**

The dose calculated based on the weight of the fish. A general dose of LHRHa is 10-20 µg per kilogram of bodyweight. This dose may vary among finfish species and locations. Males may require a reduced dose. Ensure that an adequate ratio of males to females is induced at the same time. For most species a single dose of LHRHa is required. For other species a split dose of one quarter (primer dose) and three quarters (resolving dose) may be required. Environmental and temperature play a significant role in the

reproductive process and may affect does and timing.

**DILUTION:**

Using a sterile syringe and needle, add the appropriate volume of the sterile saline to the LHRHa vial. A volume of 0.1 to 0.5 ml of solution is appropriate for most species. Shake the vial to thoroughly dissolve the LHRHa.

E.g., for 20 fish weighing 5 kg each, use 1 mg vial of LHRHa. Add 10 ml sterile saline to the LHRHa, shake the vial to ensure all of the LHRHa is dissolved. Inject 0.5 ml of solution in each fish.

**LHRHa 1mg\_EXPORT.jpg**

Product Code 13440      1 mg  
LHRH Analogue  
D-Ala<sup>6</sup>-des-Gly<sup>10</sup>LHRH ethylamide  
FOR EXPORT ONLY  
**Lot #: 13356      Exp: 11/2023**

**LHRHa 5 mg\_Export.jpg**

Product Code 13440      5 mg  
LHRH Analogue  
D-Ala<sup>6</sup>-des-Gly<sup>10</sup>LHRH ethylamide  
FOR EXPORT ONLY  
**Lot #:      Exp:**

**LHRHa 25 mg\_Export.jpg**

Product Code 13440      25 mg  
LHRH Analogue  
D-Ala<sup>6</sup>-des-Gly<sup>10</sup>LHRH ethylamide  
FOR EXPORT ONLY  
**Lot #:      Exp:**

# LHRHA

leutenizing hormone-releasing hormone analogue injection, powder, for suspension

## Product Information

<b>Product Type</b>	OTC ANIMAL DRUG	<b>Item Code (Source)</b>	NDC:50378-018
<b>Route of Administration</b>	INTRAMUSCULAR		

## Active Ingredient/Active Moiety

<b>Ingredient Name</b>	<b>Basis of Strength</b>	<b>Strength</b>
ALARELIN ACETATE (UNII: 288L2XKV2J) (ALARELIN - UNII:NJS328SUA7)	ALARELIN ACETATE	800 ug in 1 mg

## Packaging

#	<b>Item Code</b>	<b>Package Description</b>	<b>Marketing Start Date</b>	<b>Marketing End Date</b>
1	NDC:50378-018-01	1 mg in 1 BOTTLE, GLASS		
2	NDC:50378-018-25	25 mg in 1 BOTTLE, GLASS		
3	NDC:50378-018-05	5 mg in 1 BOTTLE, GLASS		

## Marketing Information

<b>Marketing Category</b>	<b>Application Number or Monograph Citation</b>	<b>Marketing Start Date</b>	<b>Marketing End Date</b>
export only		07/06/2023	

**Labeler** - Western Chemical Inc. (085803500)

## Establishment

<b>Name</b>	<b>Address</b>	<b>ID/FEI</b>	<b>Business Operations</b>
Western Chemical Inc.		085803500	label, relabel, pack, repack, manufacture

## Establishment

<b>Name</b>	<b>Address</b>	<b>ID/FEI</b>	<b>Business Operations</b>
BCN Peptides SA		468203687	api manufacture

Revised: 7/2023

Western Chemical Inc.