

## Ketterson / Nolan Research Group Collection

This document is part of a collection that serves two purposes. First it is a public archive for data and documents resulting from evolutionary, ecological, and behavioral research conducted by the Ketterson-Nolan research group. The focus of the research is an abundant North American songbird, the dark-eyed junco, *Junco hyemalis*, and the primary sources of support have been the National Science Foundation and Indiana University. The research was conducted in collaboration with numerous colleagues and students, and the objective of this site is to preserve not only the published products of the research, but also to document the organization and people that led to the published findings. Second it is a repository for the works of Val Nolan Jr., who studied songbirds in addition to the junco: in particular the prairie warbler, *Dendroica discolor*. This site was originally compiled and organized by Eric Snajdr, Nicole Gerlach, and Ellen Ketterson.

### Context Statement

This document was generated as part of a long-term biological research project on a songbird, the dark-eyed junco, conducted by the Ketterson/Nolan research group at Indiana University. For more information, please see IUScholarWorks (<https://scholarworks.iu.edu/dspace/handle/2022/7911>).

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**c-GnRH-I solution** ( final concentration: 500ng/20ul PBS)

Buy from American Peptide, product # 54-8-23 (Chicken LH-RH)

(Prepared 4/18/03 by Joe Casto, modified by Lynn Siefferman 4/1/07)

To reconstitute 1mg c-GnRH-I in 40 ml total PBS:

1. Add 40ml PBS to a 50ml screw-top plastic vial
2. Pipet 2ml of the PBS from step 1 into c-GnRH-I vial, stopper vial, and shake for 15 sec.
3. Pipet c-GnRH-I solution back into 50ml vial.
4. Repeat steps 2 and 3, four more times.
5. Cap 50ml vial and shake gently.
6. Let stand at room temperature for 5 minutes; shake briefly.
7. Aliquot into labeled Eppendorf tubes. (500ul aliquots)
8. Store at -20°C.

Christy notes:

We use a final concentration of 500ng GnRH / 20ul PBS (=25 ng/ul)

We inject 50ul

So each injection gives a total of 1250 ng or 1.25 ug of GnRH