

Sharps Disposal Plan for
U.S. Affiliates within the Shire Group of Companies:
NPS Pharmaceuticals, Inc.
ViroPharma Biologics, Inc.
Shire Orphan Therapies, Inc.

NPS Pharmaceuticals, Inc. currently sells GATTEX[®] (teduglutide [rDNA origin]) and NATPARA[®] (parathyroid hormone). ViroPharma Biologics, Inc. sells CINRYZE[®] (C1 esterase inhibitor [human]). Shire Orphan Therapies, Inc. sells FIRAZYR[®] (icatibant injection). Each product is intended for subcutaneous injection by the patient or caregiver.

Official Prescribing Information, including Instructions for Use for GATTEX, NATPARA, CINRYZE, and FIRAZYR are available on the following product websites: gattex.com, natpara.com, cinryze.com, and firazyr.com. These Instructions for Use include information on how consumers should properly dispose of syringes and needles used for the administration of GATTEX, NATPARA, CINRYZE, or FIRAZYR. This information for each product has been repeated at the end of this document.

Organizations that can assist with Sharps Disposal

The Food and Drug Administration (“FDA”) has created a website that discusses how consumers can safely dispose of sharps (i.e., devices like syringes with sharp points or edges that can puncture or cut skin) outside of health care settings. That information can be found at <http://www.fda.gov/MedicalDevices/ProductsandMedicalProcedures/HomeHealthandConsumer/ConsumerProducts/Sharps/ucm20025647.htm>.

Additionally, the state of California has created the CalRecycle website for its citizens regarding Sharps Disposal - <http://www.calrecycle.ca.gov/HomeHazWaste/Sharps/Household.htm>. This website provides information on obtaining containers to dispose of sharps along with locations where one can dispose of containers with sharps.

Lastly, the state of Minnesota also has provided information regarding how its citizens can lawfully dispose of syringes and needles at <http://www.pca.state.mn.us/index.php/living-green/living-green-citizen/household-hazardous-waste/safe-disposal-options-for-needles-and-syringes.html>.

Compliance

In accordance with the requirements of California law, Shire has submitted this Sharps Disposal Plan to CalRecycle, and posted a copy of the plan on its website, Shire.com.

In accordance with Minnesota law, Shire has also posted information regarding proper sharps disposal on its website, Shire.com.

Information from Instructions for Use for GATTEX

Step 7: Dispose of syringes and needles.

- Do not re-use a syringe or needle.
- To help avoid needle-stick injuries, do not recap a needle.
- Put your needles and syringes in an FDA-cleared sharps disposal container right away after use. Do not throw away (dispose of) loose needles and syringes in your household trash.
- If you do not have an FDA-cleared sharps disposal container, you may use a household container that is:
 - made of heavy-duty plastic
 - can be closed with a tight-fitting, puncture-resistant lid, without sharp items being able to come out
 - upright and stable during use
 - leak-resistant, and
 - properly labeled to warn of hazardous waste inside the container.
- When your sharps disposal container is almost full, you will need to follow your community guidelines for the right way to dispose of your sharps disposal container.
- There may be local or state laws about how to throw away syringes and needles. For more information about safe sharps disposal, and for specific information about sharps disposal in the state that you live in, go to the FDA's website at: <http://www.fda.gov/safesharpsdisposal>.
- Do not dispose of your sharps disposal container in your household trash unless your community guidelines permit this. Do not recycle your sharps disposal container.
- Throw away the GATTEX vial into the container where you put the syringes and needles.
- If you have any questions, talk to your healthcare provider or pharmacist.

Information from Instructions for Use for NATPARA

STEP 16.

Unscrew the rod protector or the empty medicine cartridge in a counterclockwise direction and throw it away in a puncture resistant sharps container.

STEP 45 Discard your used needles and medicine cartridges.

- Put your used needles and medicine cartridges in an FDA-cleared sharps disposal container right away after use. Do not throw away (dispose of) loose needles and medicine cartridges in your household trash.
- If you do not have an FDA-cleared sharps disposal container, you may use a household container that is:
 - made of a heavy-duty plastic
 - can be closed with a tight-fitting, puncture resistant lid, without sharps being able to come out
 - upright and stable during use
 - leak-resistant
 - properly labeled to warn of hazardous waste inside the container
- When your sharps disposal container is almost full, you will need to follow your community guidelines for the right way to dispose of your sharps disposal container. There may be state or local laws about how you should throw away used needles. For more information about safe sharps disposal, and for specific information about sharps disposal in the state that you live in, go to the FDA's website at: <http://www.fda.gov/safesharpsdisposal>.
- Do not dispose of your used sharps disposal container in your household trash unless your community guidelines permit this.

Information from Instructions for Use for CINRYZE

After infusing CINRYZE, remove the infusion set and discard. Cover infusion site with an adhesive bandage. The amount of drug product left in the infusion set will not affect your treatment. Dispose of all unused solution, the empty vials, and the used needles and syringe in an appropriate container used for throwing away waste that might hurt others if not handled properly.

Information from Instructions for Use for FIRAZYR

Disposal of your used FIRAZYR prefilled syringe

Step 15. Place the used FIRAZYR syringe, with the needle attached, in a sharps container (such as a red biohazard container), a hard plastic container, (such as a detergent bottle), or a metal container (such as an empty coffee can). Seal the container and throw it away the right way. There may be state and local laws about the right way to throw away used syringes and needles. Ask your healthcare provider or pharmacist how to throw away used syringes and needles.