

# Humatrope

Humatrope by Eli Lilly is one of the highest-quality brands of HGH available for use by adults and children. If you or someone you know is suffering from growth hormone deficiency, then Humatrope is an excellent treatment option.

In this report, we will focus on the benefits, side effects, and administration of Humatrope for adults. The most important factor to remember is that Humatrope HGH is a prescription medication. It has specific uses and should not be taken without doctor authorization.

Humatrope consists of the same 191 amino acid polypeptide protein structure as somatotropin (GH, growth hormone), a chemical produced by the pituitary gland. Because it has the same biologically identical composition, Humatrope functions in the same way as somatotropin once injected into the body.

You cannot get HGH in any form other than an injectable – its large molecular structure will not allow it to pass through membranes or skin. Nor can you consume it as a pill or liquid as the body's digestive enzymes would likely destroy any essential properties.

## Why would adults need growth hormone when they have long stopped growing?

Somatotropin does much more than stimulate linear growth. We will discuss the benefits of Humatrope HGH in detail in the next section. Suffice it to say that your body's cells, brain, and physiological functions all need growth hormone every day of your life.

Although growth hormone production declines with age, starting by the end of a person's twenties in most cases, the body often adjusts to this decrease. However, some people do not adapt well to decreasing HGH levels, and, for them, supplementation is vital.

## Benefits of Humatrope HGH for Adults

Contrary to what the name suggests, HGH functions go well beyond stimulating growth. Long after you reach your final adult height, human growth hormone goes right on providing your body with an abundant supply of cells necessary to maintain your skin, internal organs, bones, hair, muscles, nails, tissues, and blood supply. That is why Humatrope is essential when the body no longer produces enough somatotropin on its own.

### The box below highlights many of the Humatrope benefits for adults:

Increases energy	Restores stamina	Supports metabolism
Stimulates fat burning	Reverses muscle wasting	Improves lean muscle mass
Increases strength	Reduces joint pains	Supports flexibility
Strengthens bones	Lowers LDL cholesterol	Enhances tissue glucose uptake
Reverses many effects of aging	Deepens and restores sleep	Accelerates wound healing

Improves immunity	Speeds illness recovery	Increases collagen and elastin
Thickens and firms the skin	Reduces wrinkles and sagging	Strengthens nail growth
Increases cell regeneration	Improves internal organ size	Enhances organ functions
Lowers blood pressure	Reduces stress and anxiety	Sharpens eyesight
Decreases blurry night vision	Strengthens memory	Supports cognitive functions
Improves concentration	Brightens mood and outlook	Increases exercise capacity
Restores sex drive	Supports vaginal lubrication	Improves erectile functions

One note about Humatrope and weight loss – although your body will lose a significant amount of belly fat, the scale may not always register the same way as you will also be increasing lean muscle mass at the same time.

## Prescription Information

Treatment with Humatrope is a complex therapy customized and prescribed to the needs of each individual. The doctor bases the treatment on a person’s health status, including the level of growth hormone deficiency, body composition, age, gender, and symptoms.

HGH injections fall under the category of hormone replacement therapy (HRT). As with other forms of HRT, such as estrogen or testosterone treatments, HGH therapy replenishes what the body no longer produces. For adults with low growth hormone levels, HGH therapy can transform the quality of their lives.

The cost of HGH injections depends on whether you purchase the Humatrope in a pen or vial format. HumatroPen devices have a higher price point than purchasing HGH in vials. For those who want to keep their cost as low as possible, the standard vial and syringe format is the best option.

## Humatrope Injections

To properly increase the growth hormone level in the body, you must inject Humatrope as directed by your doctor. HGH is a complex therapy that helps regulate the growth hormone levels in adults. By doing so, Humatrope improves cell regeneration, metabolism, immunity, brain functions, heart health, libido, emotional well-being, and more.

Injectable Humatrope HGH is easy to use, providing adults with superior results. Safety of Humatrope relies on getting your medication from a reputable and licensed source – a regulated US pharmacy. Do not purchase any brand of human growth hormone injections from any other place. Doing so can result in the receipt of counterfeit or potentially dangerous medications.

It is essential to work with an HRT specialist because the balancing of hormone levels is highly advanced medicine. By treating one hormone, it often impacts others, which can send a variety of hormone levels spiraling out of control. A doctor who specializes in hormone therapy knows how to accurately and adequately bring hormone levels back into balance.

## **FAQ about Humatrope**

### ***Is Humatrope legal?***

Yes, Humatrope HGH injections are legal to use when prescribed by a doctor for the treatment of growth hormone deficiency. It is not permissible to use Humatrope without a valid prescription. Attempting to buy any brand of HGH injections without legitimate authorization could result in prosecution, monetary fines, and even jail time.

### ***Is it safe?***

Humatrope HGH therapy is safe for adults who have received a diagnosis of growth hormone deficiency. When the body is low in GH levels, HGH treatment can safely increase the amount of growth hormone to aid in improving various critical functions. However, using HGH injections when they are not necessary, or in higher than prescribed doses, can result in unwanted and potentially dangerous side effects.

### ***How much should I take per day?***

Only your doctor can determine how much Humatrope your body needs. That determination will be based on your level of deficiency, as shown in blood test results, body composition, gender, age, health, and symptom severity.

### ***How do I inject Humatrope?***

You will receive complete and detailed instructions – with illustrations – for how to inject Humatrope HGH. In addition, we provide links where you can watch videos outlining in a step by step process the preparation and injection of your particular type of Humatrope. The preparation varies based on whether you purchase HumatroPen injector devices or vials and syringes. Our medical advisors are also available for telephone guidance during your first injections.

### ***Where is a better place to inject?***

Most people find the abdomen is the most accessible and comfortable place to administer their HGH injections. It is easy to reach, provides superior absorption into the bloodstream, and offers a more substantial area for use to reduce the need for same-site injections.

## **Are There Side Effects of Humatrope?**

HGH therapy is a safe treatment when used as prescribed following proper diagnostic procedures. There is minor risk of Humatrope side effects when you work with an experienced hormone specialist.

## **Humatrope HGH is contraindicated in the following situations:**

- Active cancer
- Acute critical illness due to:
- Multiple trauma
- Open heart surgery
- Abdominal surgery

- Acute respiratory failure
- Diabetic retinopathy
- Allergies to any ingredients in Humatrope
- Pregnancy
- Nursing

When prescribing Humatrope growth hormone, the doctor may start out with a lower dose or increase monitoring for people in the following categories:

- Over age 60
- Diabetes
- Hypopituitarism

Although it is rare to see any side effects from Humatrope, some redness, irritation, swelling, or itching around the injection site is possible, especially in the early stages of treatment. It may take a little time to get used to administering a shot, so you may notice these issues arise.

**Side effects that could occur as the body adjusts to an increase in HGH levels include:**

- Headache
- Edema
- Muscle, joint, or nerve pain

These issues typically subside on their own, or if they last longer than two weeks or become bothersome, the doctor may lower the dosage until they disappear.

If too much HGH is injected, as in the case of those individuals who abuse this medication illegally, the following side effects increase in incidence:

- Carpal tunnel syndrome
- Type 2 diabetes
- High cholesterol

You can avoid any problems by reporting any adverse reactions to your prescribing physician.

## **How Do You Use Humatrope?**

Your doctor will provide you with full instructions for Humatrope administration, including the prescribed dosage to inject.

Humatrope comes supplied by Eli Lilly in either 5 mg vials or HumatroPen injector systems.

For those using the Humatrope HGH vials, you will also receive separate vials of diluent to reconstitute your HGH powder. A supply of insulin syringes and needles will accompany your HGH Humatrope shipment.

If you are purchasing a Humatrope pen, you will select either the 6 mg, 12 mg, or 24 mg size, based on your dosage prescription. One of the medical advisors here at our clinic will discuss the differences with you. Your Humatrope cartridges come with prefilled diluent pens for reconstituting the HGH powder.

We provide written instructions with easy to follow preparation directions for Humatrope. How to inject online videos show you the simple process. Our advisors are also available to be on the phone with you to guide you through your first injections if desired.

Your once-a-day Humatrope HGH shots take only a few minutes, often later in the evening. The tiny needles inject your human growth hormones directly under the abdominal skin.

## How Do You Get Humatrope HGH for Sale?

To get the lowest possible Humatrope cost, many people turn to the internet. Be wary of some of the websites as they are not hormone clinics. You do not want to buy HGH injections from an unregulated source – no matter how flashy or professional the website appears.

Since you need a prescription to get Humatrope for sale legally in the US, you want to turn to a reputable hormone clinic. The following steps are necessary to complete before you can receive authorization for HGH therapy:

- Consultation
- Examination
- Blood testing
- Health history documentation
- Follow-up review of the results

We can save you time and money by conducting the initial consultation and follow-up review by phone. Our clinic has also negotiated set fees for the necessary blood tests with a chain of national laboratories. When it is time to restore health and well-being to your life with Humatrope, buy online with the confidence that can only come from working with experienced hormone specialists. Call today for your free and confidential consultation.

The chart below compares the features of Humatrope side-by-side with other leading Somatropin formulations from competing US and European manufacturers.

	Omnitrope	Norditropin	Genotropin	Humatrope	Sermorelin
Vial	+	-	-	+	+
Pen	-	+	+	+	-
Replaceable Cartridges	-	-	+	+	-
Refrigeration	+	+		+	+
Other devices	-	-	+	-	-
Insulin syringes	+	-	-	-	-
Pre-mixed	-	+	-	-	-
All-in-one Unit	-	+	+	+	-
Prescription	+	+	+	+	+
US-manufacturer	+	+	+	+	+

As you can see, Humatrope comes in both vial and "injection pen" form (a pain-free, economical alternative to syringes). Their injection pens come with replaceable cartridges for easy refilling. All Humatrope products must be kept refrigerated to maintain quality and potency. To obtain Humatrope legally, you must visit a licensed medical doctor. He or she will evaluate you and order any necessary blood work to determine if you are a good candidate to receive therapy with Humatrope.

## **How Does Humatrope Work in the Body?**

Like the other somatotropin medications in this chart, Humatrope works by replicating the activities of natural HGH in the body. To understand why and how patients with diagnosed growth hormone deficiency (GHD) benefit from Humatrope, it's first important to understand the function of human growth hormone in healthy people.

HGH is a critical hormone that, under normal circumstances, is produced in the pituitary gland, a tiny BB-sized structure in the mid-region of the brain.

The pituitary gland comprises 1/3 of the important hypothalamic-pituitary-adrenal axis (HPA axis), a combination of glands and hormones that form a neuroendocrine network. If one of the members doesn't produce enough hormones (as occurs in the pituitary gland in HGH-deficient patients), then the HPA axis activities are impaired and hormone health as a whole decline.

The bottom line is the an HGH deficiency does not only impact growth hormone function – the condition has a system-wide effect that can upset the delicate, homeostatic hormonal balancing act in the body and, as a result, impair health.

## **What Condition Does Humatrope Treat?**

Humatrope is approved to treat the symptoms of growth hormone disorder (GHD) in both children and adults. Contrary to popular belief, GHD can occur at any age with detrimental effects on health. In adults, GHD may be caused by a number of factors:

- Genetic defects.
- Head trauma.
- Stress.
- Poor diet.
- Tumor growth.
- Age-related HGH decline. \*

\*It's important to keep in mind that, even in otherwise healthy individuals, an HGH deficiency can occur as we age. The chart below shows the typical downward trajectory of HGH levels over the lifespan.

## **Humatrope Instructions**

Humatrope HGH comes in 6, 12, and 24 mg HumatroPen injector devices as well as 5 mg vials. In this review, we provide generalized Humatrope instructions for use by adults diagnosed with growth hormone deficiency (GHD).

Whether you select the pen or vial option, you will receive the same, high-quality recombinant HGH medication – only the delivery method is different.

Humatrope by Eli Lilly is one of the leading brands of human growth hormones. Our hormone doctors regularly prescribe Humatrope to our clients.

## **What is the difference between Humatrope pens and vials?**

The primary difference is convenience, as you will see in the Humatrope instructions below. Humatrope vials come with vials of diluent that you utilize with mixing syringes. The HumatroPen injector cartridges come with prefilled diluent syringes that are ready for use to mix the medication. Many adults like the simplicity of the injector pens.

\*Humatrope instructions differ slightly depending on whether you are using HumatroPen injectors or vials – both contain the same high-quality HGH medication.

## **Description**

Humatrope is the brand name for Eli Lilly's recombinant human growth hormone medication, which contains somatropin – the biologically identical version of somatotropin (growth hormone). Due to the bioidentical structure of Humatrope, the body readily accepts and puts it to work, binding it to growth hormone receptors.

Vials of Humatrope are the most affordable way to receive this brand of HGH. HumatroPen injectors are more expensive as they are pen systems that utilize convenient, replaceable cartridges.

As you will see by reading the Humatrope instructions listed below, the medication is easy to use. Humatrope can help men and women in the following ways:

- Improving metabolism, weight loss, and energy
- Enhancing sexual desire and performance
- Stimulating cellular regeneration which benefits the muscles, skin, organs, and bones
- Supporting sharp brain functions, memory, and focus
- Improving emotional health while reducing stress and depression
- Strengthening immunity and speeding healing

*\*By following the prescribed Humatrope instructions, men and women can improve the status of their health, appearance, and brain functions.*

## **Instructions**

The Humatrope instructions below are essential to read and understand before proceeding with your first injection. Please contact HGH Doctor hormone clinic with any questions.

Humatrope HGH is safe to use when prescribed by a hormone specialist to treat adult GHD. Do not use Humatrope if it has not been prescribed for you. Never use another person's HGH medication or give yours to someone else. Do not increase or decrease your dosage as that can lead to unwanted side effects or reduce the results. Dispose of all unused or expired medications as directed by the city in which you live.

Always check the expiration date of your HGH medication before each use and do not use it if it is expired. Also, check the appearance of the medicine. Do not use Humatrope if it appears cloudy, discolored, or contains any crystals or particles.

Here are the Humatrope instructions and information you need to know before starting treatment for GHD:

## Indications

Humatrope is indicated for use by adults diagnosed with growth hormone deficiency, as a result of adult-onset or continuing effects of childhood-onset. Blood analysis and physical examination are required for diagnosing GHD. Symptoms of GHD in adults include, but are not limited to, the following:

- Weight gain
- Fatigue
- Sleep disturbances
- Muscle loss
- Impaired memory and mental functions
- Increased stress and anxiety
- Depression
- Bone loss (height shrinkage, joint pains)
- Premature physical aging (wrinkles, sagging skin, thinning hair)
- Sexual decline
- Long-lasting or frequent illness
- Slow recovery/healing

## Contraindications

- Serious complications resulting from open-heart or abdominal surgery, multiple system accidental trauma, or life-threatening breathing problems
- Active malignancy (cancer) – must receive oncologist clearance to begin treatment
- Allergies to ingredients in Humatrope, including somatotropin, metacresol, glycerin
- Diabetic retinal disease
- Pregnant or nursing

## Dosage

The doctor will determine your dosage following blood analysis and physical examination using the level of deficiency, body composition, age, gender, and health.

## Storage

Humatrope requires continual refrigeration, both before and after mixing. Do not store in the freezer or at room temperature. Keep Humatrope HGH and all medications away from children and pets.

Humatrope vials are good for use within 14 days. HumatroPen cartridges are good for use for up to 28 days.

## Use

### *Preparation of the Humatrope vials is as follows:*

- Remove and discard plastic caps from the Humatrope and diluent vials and wipe both tops with an alcohol swab
- Attach a needle to a new syringe, remove the needle cover, and pull back the syringe plunger to fill the syringe with air equal to the diluent amount you will withdraw



- Insert the syringe needle into the diluent vial, push down the plunger to empty the air into the vial, and then invert the vial, so the fluid covers the needle
- Slowly pull back the plunger filling the syringe with the prescribed amount of diluent – remove any air bubbles before removing the needle from the vial – ensuring the correct amount of diluent is in the syringe
- While holding the vial upright, remove the needle and insert it into the Humatrope vial, aiming the tip to the side of the wall
- Slowly push in the plunger to let the diluent flow down the side of the vial until empty
- Remove the needle, replace the cover, and discard the unit in the Sharps container
- Gently swirl the Humatrope vial to mix the solution – do not shake
- Write the date of mixing on the vial label – it is good for 14 days

***Preparation of the HumatroPen systems is as follows:***

- Ensure that your cartridge strength match your HumatroPen device
- Refer to the illustrated instructions that come with your particular device
- You will use the accompanying diluent syringe to reconstitute the HGH powder in the provided cartridge
- Upon transferring the diluent into the cartridge, gently move the cartridge up and down 10 times – do not shake the solution – let it rest for 3 minutes to continue mixing
- Attach the cartridge to the pen following the provided illustrated instructions
- Remove the paper tab from a new needle and push it straight unto the cartridge until secure
- Remove the outer and inner needle caps, discarding the inner cap and setting aside the outer cap for later use
- Remove excess air from a new cartridge (priming it for use) as directed in the instructions – only necessary the first time a new cartridge is used
- Dial the correct dosage by turning the knob to the prescribed dose number – the knob will turn back if you go past the dosage

***Proceeding with your injection:***

- Clean the area on your abdomen (one inch away from the belly button) with a sterile alcohol wipe and let air dry (alternate sides each day)
- Pinch an area of skin around the sterilized site and insert the needle completely at a 90-degree angle
- Push in the syringe plunger or injector button slowly and hold for 5 seconds to allow all the medication to enter the body then remove and recover the needle
- Discard the complete needle and syringe used with the vial or detach and discard the pen needle in the Sharps container
- Return Humatrope to the refrigerator for storage

**Drug Interactions**

Tell your doctor about ALL medications, including over-the-counter preparations and supplements before starting HGH therapy. The following medications require monitoring while using Humatrope HGH:

- Seizure medications (anticonvulsants)
- Cyclosporin (immunosuppressive)
- Estrogen
- Glucocorticoids
- Gonadotrophin
- Insulin (diabetes medications)

- Thyroid hormones

## **Warnings**

Tell your doctor if you have any of the following conditions:

- Diabetes
- Sleep apnea
- Thyroid disease or abnormal thyroid function
- Pregnant, breastfeeding, or trying to become pregnant
- Prior history of cancer or tumors
- Kidney disease
- On glucocorticoid medication

***Contact your doctor immediately if you experience any of the following:***

- Allergic reactions to Humatrope such as difficulty breathing, swelling of the face, lips, eyes, or throat, hives, rash
- Nausea or vomiting
- Headache
- Wheezing
- Pale skin

### ***Accidental injection of too much Humatrope***

Report any side effects from Humatrope to your doctor, including edema, carpal tunnel syndrome, muscle, joint, or nerve pain, or high blood sugar. These side effects are rare, and the doctor may lower the dosage of HGH until they disappear. Do not change the dosage yourself.

Some people experience injection site pain, itching, swelling, irritation, or redness. These reactions are normal and clear up on their own. Alert the doctor if these issues are ongoing or worsen.

If you have any questions about these Humatrope instructions, please contact HGH Doctor hormone clinic.

For further information, please contact our hormone clinic for a free consultation at [our web site](#). Or by phone: +1 786-634-1199. Our address: 1150 NW 14th St #1317, Miami, FL 33136.