



Information for patients and families about **Definity® Ultrasound Enhancer**

What exactly is Definity® Ultrasound Enhancer?

Occasionally, obtaining clear images of your heart during an ultrasound examination can be challenging. In such cases, the Ultrasound Technologist may recommend the use of an ultrasound image-enhancing agent to improve visibility. This agent is typically injected into your bloodstream to enhance the quality of the images.

At Heart map diagnostics, we utilize Definity®, which consists of gas-filled microbubbles that reflect sound waves.

Utilizing Definity® enables technologists and cardiologists to achieve better visualization of the heart muscle.

It's important to note that Definity® differs from X-ray contrasts or dyes; it is not iodine-based and does not impact kidney or liver function. As a gas, it naturally exits your body through respiration.

How is Definity® Ultrasound Enhancer administered?

A certified professional (such as an Ultrasound Technologist, Cardiovascular Technologist, or Phlebotomist) will administer Definity® by injecting it into a vein in your arm or hand using an intravenous (IV) catheter. Once the study is concluded, the IV will be removed.

Are there any possible side effects?

Approximately one in 10,000 patients may experience an allergic-like reaction to Definity®. A common indicator of such a reaction is the development of a rash around the injection site. If this occurs, we will provide medication to address the reaction and closely monitor you before your departure.

Occasionally, patients may experience headaches or lower back pain. These reactions typically subside as the gas is expelled from your body through exhalation.

For whom is Definity® Ultrasound Enhancer not recommended?

Definity® is currently not utilized in:

- Pregnant or breastfeeding women
- Individuals with heart shunts, which are openings between heart chambers allowing blood flow from the right to the left side of the heart. We will assess for this during the initial part of the examination.
- Individuals scheduled for extracorporeal shock wave lithotripsy (for kidney stones) within the following 24 hours.

After your echo, you might be requested to remain for 5–10 minutes for observation. If you have any questions or concerns, please inform us.

Name of the patient:	Signature:
Date of testing:	
Location of the Test:	Witness/Sonographer initials:

This information should not be considered a replacement for professional medical care. It is recommended that you discuss this with your healthcare provider.