

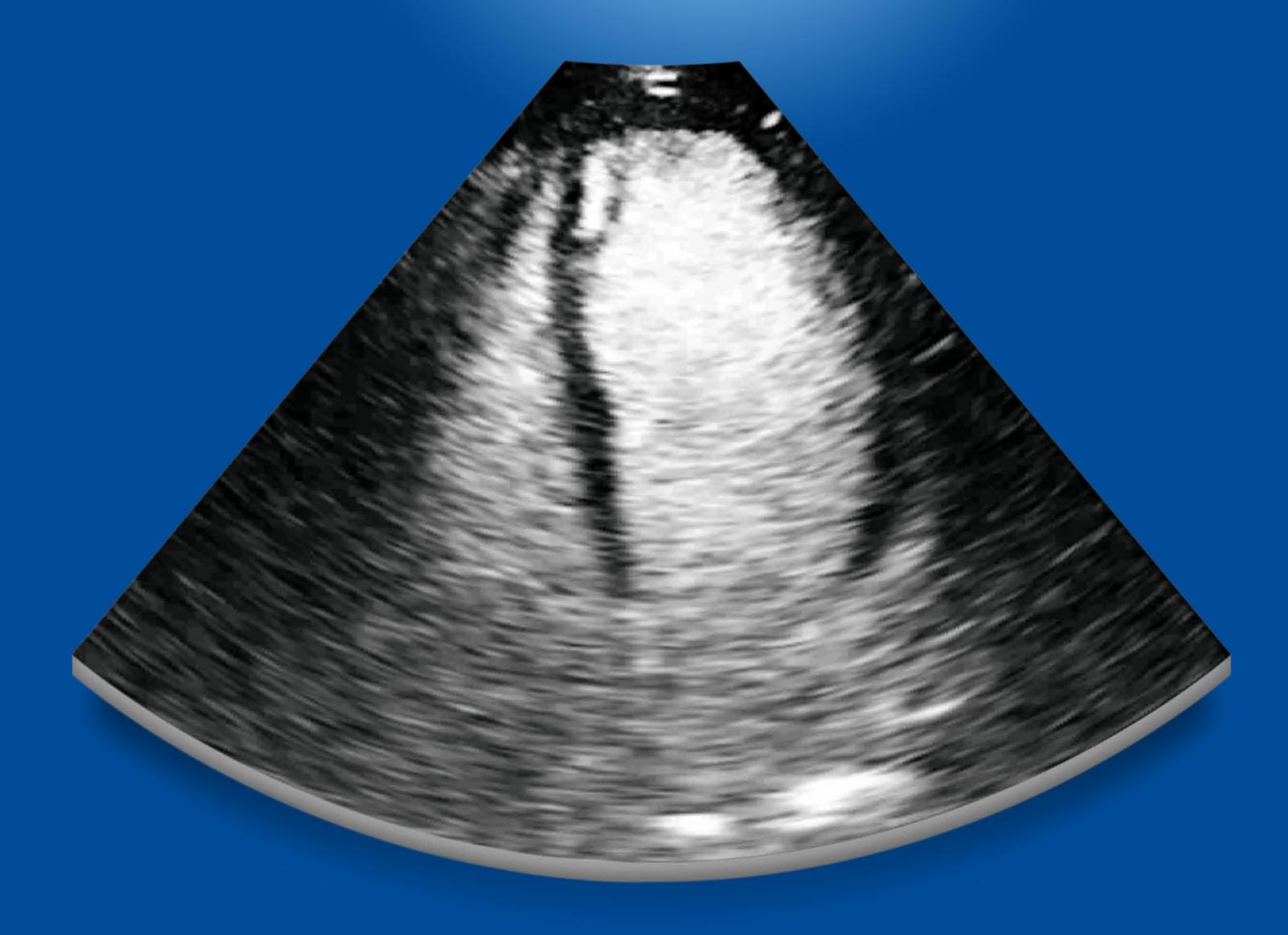
(sulfur hexafluoride lipid-type A microspheres) for injectable suspension, for intravenous use or intravesical use



Raise the standard for echocardiographic images above suboptimal¹

KNOW NOW

with LUMASON®
Ultrasound Contrast



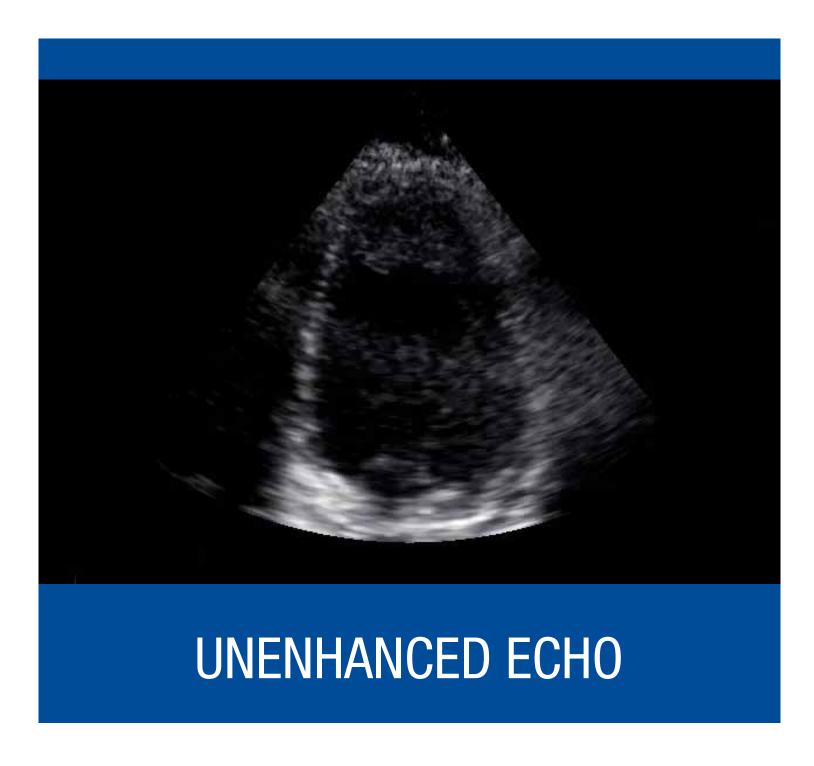
The ultrasound contrast agent LUMASON helps improve image quality at the point of patient care.

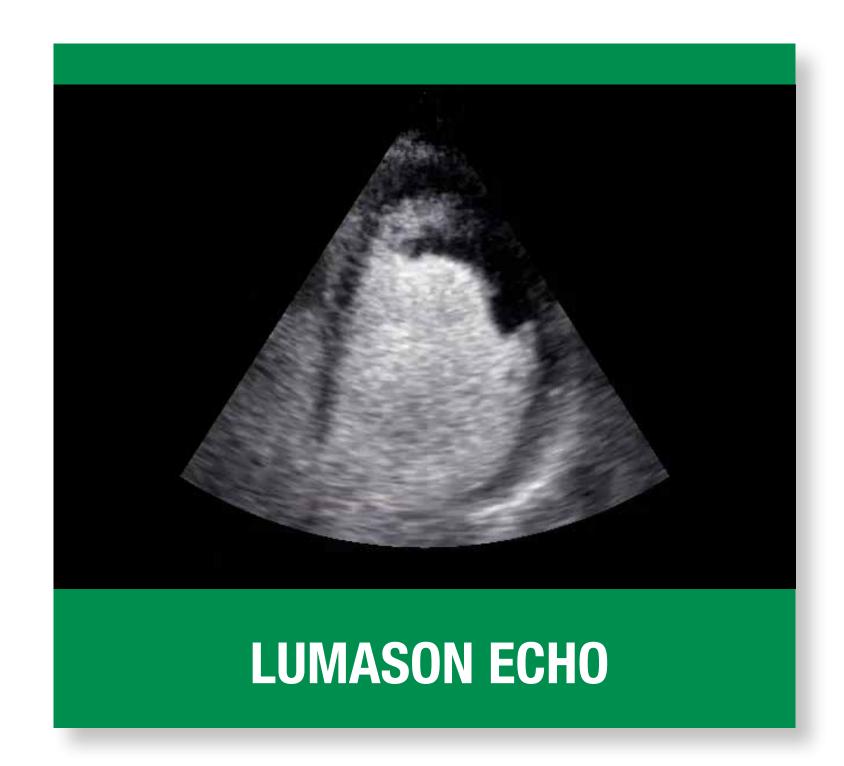
Echocardiographic images shown are representative images from reference studies. Individual results may vary.



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Echocardiographic images are courtesy of Stephen Glen, Forth Valley Royal Hospital, Larbert, United Kingdom. Individual results may vary.

INDICATIONS AND USAGE¹

LUMASON is an ultrasound contrast agent indicated for use:

- in echocardiography to opacify the left ventricular chamber and to improve the delineation of the left ventricular endocardial border in adult patients with suboptimal echocardiograms
- in ultrasonography of the liver for characterization of focal liver lesions in adult and pediatric patients
- in ultrasonography of the urinary tract for the evaluation of suspected or known vesicoureteral reflux in pediatric patients

CONTRAINDICATIONS¹

LUMASON is contraindicated in patients with:

• history of hypersensitivity reactions to sulfur hexafluoride lipid microsphere components or to any of the inactive ingredients in LUMASON

IMPORTANT SAFETY INFORMATION¹

WARNING: SERIOUS CARDIOPULMONARY REACTIONS

Serious cardiopulmonary reactions, including fatalities, have occurred uncommonly during or following the injection of ultrasound contrast agents, including sulfur hexafluoride lipid microspheres [see Warnings and Precautions (5.1)]. Most serious reactions occur within 30 minutes of administration [see Warnings and Precautions (5.1)].

- Assess all patients for the presence of any condition that precludes administration [see Contraindications (4)].
- Always have resuscitation equipment and trained personnel readily available [see Warnings and Precautions (5.1)].

The risk for serious cardiopulmonary reactions may be increased among patients with unstable cardiopulmonary conditions (acute myocardial infarction, acute coronary artery syndromes, worsening or unstable congestive heart failure, or serious ventricular arrhythmias) [see Warnings and Precautions (5.1)].¹ Please see full Prescribing Information for LUMASON ultrasound contrast agent including boxed **WARNING** at http://www.braccoimaging.com/us-en/products-and-solutions/contrast-enhanced-ultrasound/lumason/prescribing-information



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ENHANCE

LUMASON improves echo quality by **delineating the endocardial border**¹

OPACIFY

LUMASON improves echo quality by opacifying the left ventricular chamber¹

KNOW NOW

At Bracco, we are committed to raising the standard for echocardiographic images above suboptimal.¹

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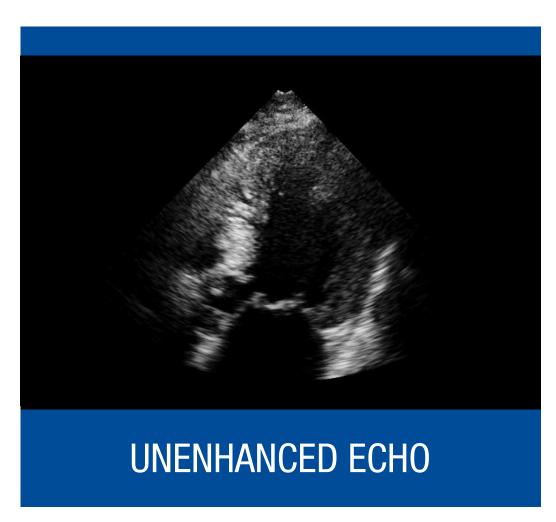


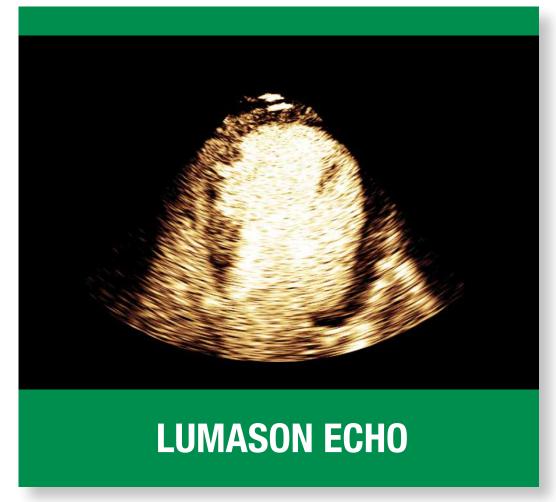
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IMAGE NOW WITH PROVEN EFFICACY AND SAFETY

LUMASON helped enhance image quality by improving endocardial border delineation^{1†}





LUMASON resulted in reduction in percentage of patients with inadequate border delineation.¹

Echocardiographic images are courtesy of Nicola Gaibazzi, Cardiology Department, Parma University Hospital, Parma, Italy. Individual results may vary.

Administration of LUMASON improved left ventricular border delineation. 11

†Study design: Efficacy was established in 3 multicenter, controlled clinical trials evaluating endocardial border delineation and duration of useful contrast effect in patients with suspected cardiac disease and suboptimal noncontrast echocardiograms. LUMASON resulted in reduction in percentage of patients with inadequate border delineation.

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Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice. In the LUMASON completed clinical trials, 6856 adult patients were exposed to LUMASON; the most commonly reported adverse reactions (occurring in at least 0.2% of patients) are listed below.

Adverse Reactions in Patients* (n=6856)1

Number (%) of Patients with Adverse Reactions	Headache	Nausea	Dysgeusia	Injection-site pain	Feeling hot	Chest discomfort	Chest pain	Dizziness	Injection-site warmth
340	65	37	29	23	18	17	12	11	11
(5%)	(1%)	(0.5%)	(0.4%)	(0.3%)	(0.3%)	(0.2%)	(0.2%)	(0.2%)	(0.2%)

*occurring in at least 0.2% of patients

Most adverse reactions were mild to moderate in intensity and resolved spontaneously.1

LUMASON is an ultrasound contrast agent made up of SF₆-filled microspheres. LUMASON is not chemically related to sulfonamide antibiotics.¹

Sulfur hexafluoride gas in LUMASON is inert and undergoes little or no biotransformation¹

LUMASON microspheres are constructed of sulfur hexafluoride gas in a highly elastic shell²

- ≥99% of LUMASON microspheres are ≤10 μm¹
 - Upper size limit: 100% of LUMASON microspheres are ≤20 μm¹
- Designed to be stable and resist pressure changes²
- Acoustic properties constant over the entire range of frequencies used in clinical settings³





LUMASON is known globally as SonoVue® which has been administered to millions of patients worldwide since its first approval in 2001.4

The individuals who appear are for illustrative purposes only. All persons depicted are models and not real patients or healthcare professionals.

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ADMINISTER—IN VARIOUS CLINICAL SETTINGS



- Single patient-use procedural kit¹
- Simple-to-use
 - Shake vigorously for 20 seconds until homogeneous white milky liquid forms No activation device required













Prefilled syringe containing 5 mL Sodium Chloride 0.9% injection, USP (diluent)¹

Safe and effective in patients like those you care for every day¹



Among ultrasound contrast

Only LUMASON does not require refrigeration

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BRACCO SUPPORT—YOUR INSIGHT, OUR SOLUTIONS

Products and programs from a global leader in contrast imaging solutions

Dedicated Clinical Applications Team

Supports clinicians, educational programs, and product evaluations

Dedicated Account Managers

Focus on the clinical and economic value of LUMASON

Medical Education

Peer-to-peer and from internal Bracco medical staff

Corporate Investment and Resources

Support societies and the ultrasound imaging community

New Technology Reimbursement

LUMASON is the only agent with a dedicated pass-through code: <a href="https://www.braccoimaging.com/sites/braccoimaging.com/s

Dedicated Reimbursement Hotline

For ongoing reimbursement assistance:

Call 1-800-349-1388 or email askbracco@reimbursement.bracco.com



At Bracco Diagnostics Inc.,
Your Insight,
Our Solutions

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KNOWNOW

with LUMASON

Ultrasound Contrast







Image quality¹



Proven safety and efficacy profile¹



Portable kit¹



No refrigeration or activation devices required¹



Support from Bracco Diagnostics Inc.—the company that understands your contrast imaging needs

Ordering Information NDC# 0270-7099-16 LUMASON (sulfur hexafluoride lipid-type **Product** A microspheres) for injectable description suspension, for intravenous use or intravesical use, 25 mg/vial **Packaging** 5 kits per carton

Customer Service: 1-877-BRACCO 9 (1-877-272-2269)

References: 1. LUMASON (sulfur hexafluoride lipid-type A microspheres) for injectable suspension, for intravenous use or intravesical use full Prescribing Information. Monroe Twp., NJ: Bracco Diagnostics Inc.; December 2016. 2. Schneider M. Characteristics of SonoVue. Echocardiography. 1999;16(7, pt 2):743-746. 3. Schneider M, Arditi M, Barrau MB, et al. BR1: A new ultrasonographic contrast agent based on sulfur hexaflouride-filled microbubbles. *Invest Radiol.* 1995;30(8):451-457. 4. Data on file. Bracco Diagnostics Inc.

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LUMASON is manufactured for Bracco Diagnostics Inc., Monroe Township, NJ 08831 by Bracco Suisse S.A., Plan-les-Ouates Geneve, Switzerland (LUMASON lyophilized powder vial-25 mg lipid-type A/60.7 sulfur hexafluoride gas); Vetter Pharma-Fertigung GmbH & Co. KG, 88212 Ravensburg, Germany (Sodium Chloride 0.9% Injection, USP); B. Braun Melsungen AG, 34212 Melsungen, Germany (Mini-Spike).

LUMASON is a registered trademark of Bracco Diagnostics Inc. SonoVue is a registered trademark of Bracco Suisse S.A.

Bracco Diagnostics Inc. 259 Prospect Plains Road, Building H Monroe Township, NJ 08831 USA Phone: 609-514-2200 Toll Free: 1-877-272-2269 (U.S. only) Fax: 609-514-2446

