

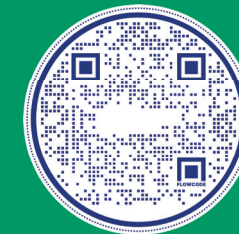
EmpowerCTA[®]+

Injector System

UPGRADE YOUR CONTRAST DELIVERY

Support best practices using controlled saline administration¹

- User selectable Saline Advance volumes
- Automatic post contrast saline flush
- Optional contrast to Saline Jump



Scan to learn more about SmartInject Solutions from Bracco



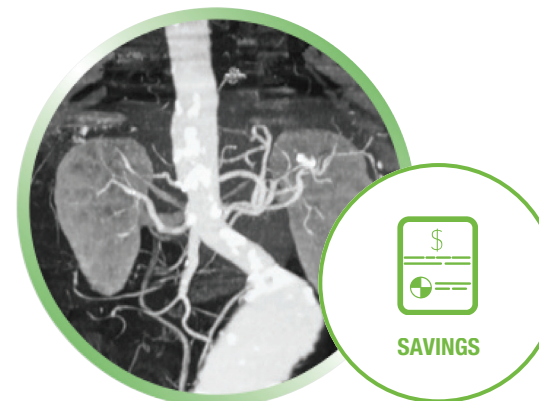
Optimize pre-contrast test injections²

- Confirm vein patency using injection flow rate
- Minimize risk of extravasation with control at the patient's bedside



Enhance study quality

- Create efficient, tight contrast bolus³
- Reduce streak and beam hardening artifacts²
- Avoid contrast pooling in upper extremity veins⁴



Eliminate excess contrast

- Saline jump allows for the immediate advancement, or "jump" to saline in order to:
 - Reduce overall dose^{3,5}
 - Reduce potential of iodine-based kidney stress²
 - Optimize protocols



Post-medication injection IV maintenance

- Consistent with post-medication delivery standards of care⁶
- Support patient hydration²

UNLOCKING THE
INVISIBLE

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

BRACCO
LIFE FROM INSIDE

EmpowerCTA[®]+

Injector System

Available from Bracco, as part of the largest portfolio of imaging solutions. When it comes to your practice and your patients, *we are all in.*

Ordering Information

DESCRIPTION	SKU
FastLoad™ CTA dual syringe pack	017354
FastLoad™ CTA dual syringe pack with spikes	017355
EmpowerCTA [®] + “Y” Connecting Tubing	100114

Customer Service (877) 272-2269	Drug Safety (800) 257-5181, Option 1	Scientific Information (800) 257-5181, Option 2	Website www.smartinject.com
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REFERENCES: 1. *EmpowerCTA[®]+ Injector System User's Guide*. ACIST Medical Systems, Inc.; 2023. 2. Bae KT. Optimization of contrast enhancement in thoracic MDCT. *Radiol Clin North Am*. 2010;48(1):9-29. 3. Auler MA, Heagy T, Aganovic I, et al. Saline chasing technique with dual-syringe injection systems for multi-detector row computed tomographic angiography: rationale, indications and protocols. *Curr Problems Diagnostic Radiology*. 2006;35(2):1-11. 4. Cademartiri F, van der Lugt A, Luccichenti G, et al. Parameters affecting bolus geometry in CTA: a review. *J Comput Assist Tomogr*. 2002;26(4):598-607. 5. Cademartiri F, Mollet N, van der Lugt A, et al. Non-invasive 16-row multislice CT coronary angiography: usefulness of saline chaser. *Eur Radiol*. 2004;14(2):178-183. 6. Thompson L. Flushing the line between medications in IV administration of multiple agents. Oncology Nurse Advisor website. <https://www.oncologynurseadvisor.com/oncology-nursing/flushing-the-iv-line-between-medications/article/509061/>. Updated July 12, 2016. Accessed April 17, 2018.

EmpowerCTA[®]+ Injector System

Caution: Federal law restricts this device to sale by or on the order of a physician.

INDICATIONS:

The EmpowerCTA[®]+ Injector System is indicated for the vascular administration of contrast and flushing media in conjunction with computed tomography (CT) scanning of the body with an optional interface to a CT scanner and an optional calculator for glomerular filtration rate (GFR).

Protocols have been independently developed and are not intended as medical advice. Bracco and Bracco Injengineering S.A. shall not be responsible for any physicians' reliance on these or any other products.

CONTRAINDICATIONS:

The EmpowerCTA[®]+ Injector System is not intended for use as a long-term infusion pump, nor is it intended to be used to inject any agents other than contrast or flushing media. Do not attempt to use the injector for any other purpose (such as chemotherapy or drug infusion). The EmpowerCTA[®]+ Injector System should not be used to inject substances into nonvascular body cavities. Any applications of the EmpowerCTA[®]+ Injector System other than those described in its Operator Manual are inappropriate and should not be attempted.

Not all products are available in all global markets.

EmpowerCTA[®] is distributed by Bracco Diagnostics Inc.; 259 Prospect Plains Road, Bldg. H; Monroe Township, NJ 08831 USA; Phone: (800) 631-5245; Fax: (609) 514-2424; Customer Service: 1-877-BRACCO 9 (1-877-272-2269); Scientific Information: 1-800-257-5181 (Option 2); EmpowerCTA[®] Email: empowerinfo@diag.bracco.com; Website: <https://smartinject.com/ct-solutions/>

EmpowerCTA[®] is manufactured by Bracco Injengineering S.A., Avenue de Sevelin 46, CH – 1004 Lausanne, Switzerland. <https://www.bracco.com/>

NEXO[®] Contrast Management System

Intended Use:

The NEXO[®] Contrast Management System is a server-based application intended to be used as a data management and visualization system. The NEXO Contrast Management System can read, store, share, compare/relate, as well as graphically display data and injection programs coming from RIS, PACS, and multiple enabled EmpowerCTA[®] Injector Systems. This device provides users with record lists, graphics, and reports about data and performances.

This device is intended for retrospective and statistical data management and visualization. It is not intended for real-time data visualization, diagnostic applications, or for any other use for which the device is not indicated. This device is only to be operated by and under quasi-continuous supervision of qualified and trained staff in an appropriately licensed healthcare facility.

The NEXO Contrast Management System is compatible with the EmpowerCTA Injector System version 8.0, and EmpowerCTA[®]+ Injector System version 10.0 and higher.

Not all products are available in all global markets.

NEXO is distributed by Bracco Diagnostics Inc.; 259 Prospect Plains Road, Building H; Monroe Township, NJ 08831 USA; Phone: (800) 631-5245; Fax: (609) 514-2424; NEXO Customer Service: 1-877-BRACCO 9 (1-877-272-2269); NEXO questions: Nexo.Answers@diag.bracco.com; NEXO U.S. Technical Service and Support: Phone: 888-670-7701; Fax: 609-514-2448; NEXO Email: customer.support@acistmedical.com; Website: <https://smartinject.com/digital-solutions>

NEXO is manufactured by ACIST Medical Systems, 7905 Full Road, Eden Prairie, MN 55344 USA.

About Bracco Injengineering S.A.

Bracco Injengineering S.A., located in Lausanne, Switzerland, is the most recently added Business Unit of Bracco Imaging. Bracco Injengineering is committed to developing the best-in-class integrated injection solutions with a strong heritage in research and innovation. It provides quality solutions for state-of-the-art radiology centers, offering proven injection technology built on Bracco Imaging's expertise.

Thanks to this strengthened product portfolio, including the EmpowerCTA[®] Injector System, EmpowerMR[®] Injector System, and NEXO[®] Contrast Management System, Bracco Imaging will be able to focus on constant innovation, not only for devices but also for software development and data management.

EmpowerCTA, EmpowerMR, IRiSCT, and NEXO are registered trademarks of ACIST Medical Systems, Inc.

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