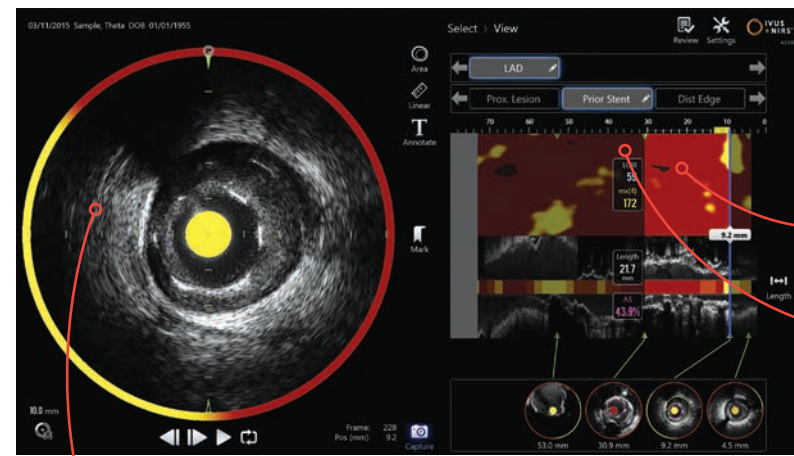


Makoto Intravascular Imaging System™

Bringing valuable insights that no other system can

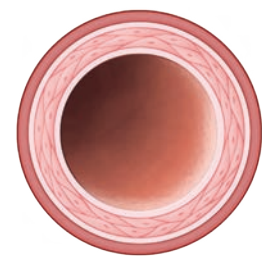
- Identifies unstable lipid core plaque (LCP).
- The only intravascular imaging modality proven to identify LCP and risk of MACE.
- Near-Infrared Spectroscopy (NIRS) delivers information on plaque composition.
- Distinguishes between stable plaque and vulnerable LCP.
- Generates plaque composition analysis and high-resolution structural views.
- System automatically quantifies the total lipid core in regions of interest and calculates a plaque's Lipid Core Burden Index (LCBI).
- LCBI number can be used to evaluate patient and plaque risk of MACE, gauge the effectiveness of therapies, and adjust the future treatment plan.



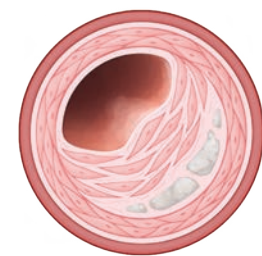
Proprietary Chemogram
for easy-to-interpret detection of the presence of lipid core plaque

Lipid Core Burden Index
for quantification of lipid core in the scanned region

Simultaneous co-registered acquisition of IVUS and NIRS for quick, easy, and comprehensive analysis



Normal Artery
no presence of lipid core



Fibrotic/Calcified Plaque
no presence of lipid core



Lipid Core Plaque
lipid core presence detected

Ordering information

Reference code	Product name
TVC-MC10	Makoto™ NIRS/IVUS Console
TVC-C195-42	Dualpro™ NIRS/IVUS catheter 165cm
TVC-E195-42	Infraredx Clarispro™ 35-65 MHz HD-IVUS catheter

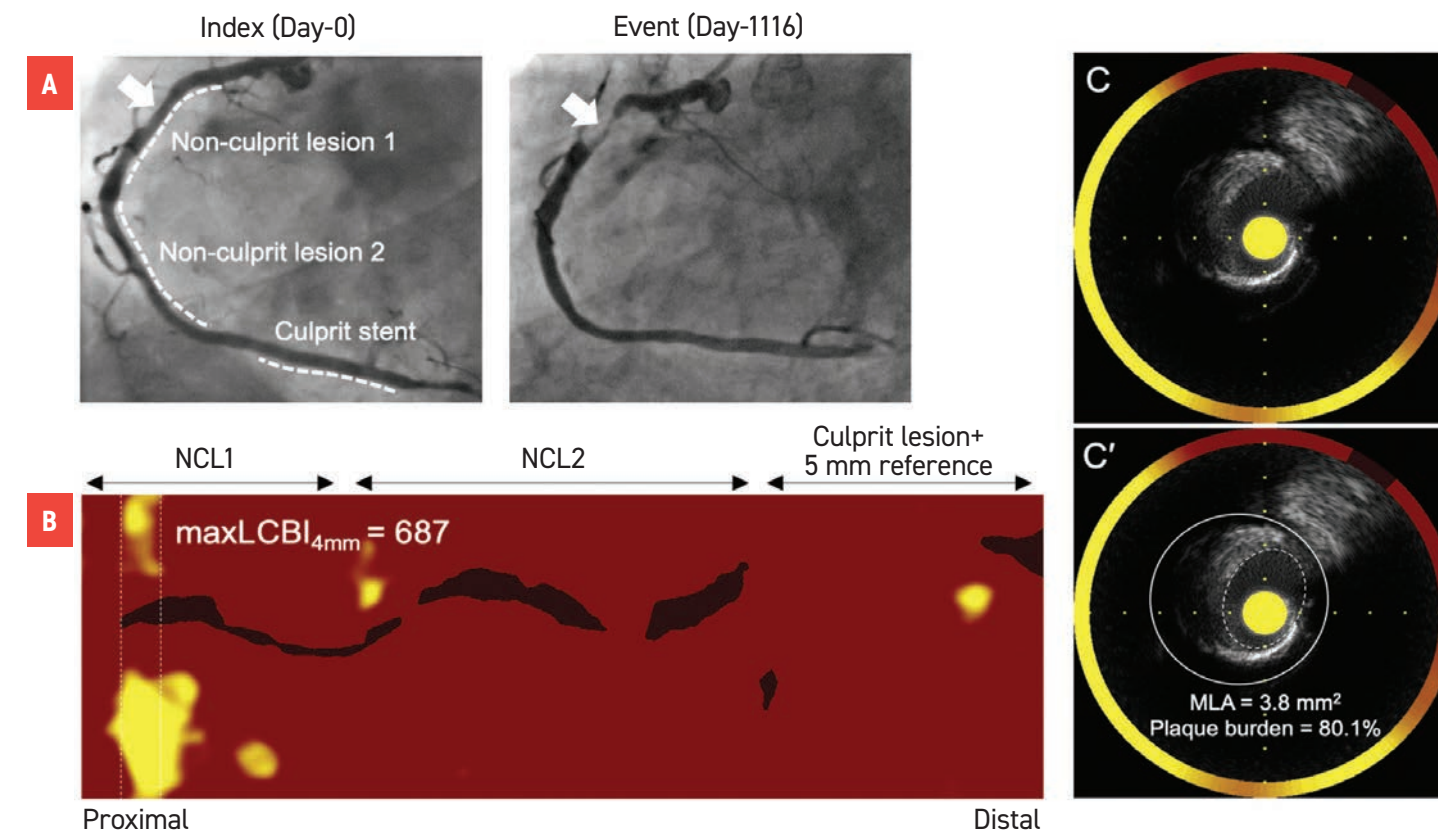
www.nipro.com

Manufactured by:
Infraredx, A Nipro Company
28 Crosby Drive, Suite 100
Bedford, MA 01730
USA

Representative case example

The images below show an adverse event attributed to an untreated non-culprit-lesion (NCL), as follows:

- Angio at index day, NCL 1 without any finding and 3 years later, presenting MACE.
- NIRS Chemogram shows a high maxLCBI4mm in the NCL1 area.
- The IVUS image and the related plaque burden calculation.



Indications for Use:

- Detection of Lipid Core Plaques of Interest (LCP)
- Assessment of Coronary Artery Lipid Core Burden
- Identification of patients and plaques at increased risk of MACE
- Ultrasound Examination of Coronary Intravascular Pathology

Images courtesy of Prof.D.Erlinge, Sweden

www.nipro.com

7 Company-sponsored clinical trials & registries addressing safety, accuracy and prediction of outcomes

> 85 Studies at sites globally

> 6000 Studies on patients

> 15 Investigator-initiated studies

> 185 Peer-reviewed publications, including JAMA, Lancet, JACC, JACC Imaging, JACC Interventions, Circulation



makoto™
INTRAVASCULAR IMAGING SYSTEM

SEE MORE – KNOW MORE



Is there a tool that can help you to identify high-risk plaques?

Introducing

Nipro's Intravascular Imaging System, **Makoto™**, together with the **Clarispro™** HD-IVUS catheter and the **Dualpro™** IVUS+NIRS catheter offer you the tools to better diagnose your polyvascular patients.



At the forefront of innovative technology

Intracoronary imaging can support healthcare practitioners in critical decision-making situations, both pre- and post-procedure. Working together with healthcare experts, Nipro builds the best possible tools and solutions to care for patients.

Enabling physicians to SEE MORE and KNOW MORE

Nipro is committed to providing state-of-the-art solutions to cardiologists enabling them to diagnose and treat patients with coronary artery disease.

To do this, we focus on developing, manufacturing, and marketing cutting-edge technology allowing physicians to achieve unparalleled insights so that they can SEE MORE and KNOW MORE.



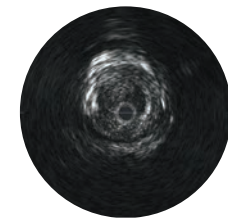
Infraredx Clarispro HD-IVUS works seamlessly with the Makoto Intravascular Imaging System – an imaging platform that benefits your whole practice to improve care for your patient's polyvascular disease.



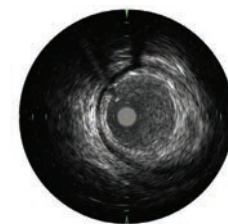
What's more, Dualpro™ IVUS+NIRS catheter and Makoto™ Intravascular Imaging System is a dual-modality catheter and imaging system for the detection of high-risk plaques.

SEE MORE

Ideal for peripheral use



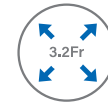
Competitor IVUS Image
20MHz



Clarispro IVUS Image
35-65 MHz
extended bandwidth



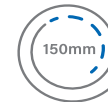
Longest working length (160cm) for reaching distant peripheral imaging sites



Low crossing profile (3.2Fr) for accessing hard-to-reach places like the tibial arteries



No additional accessories required for greater savings and more efficient workflow



Extended pullback length (150mm) for maximizing imaging in a single scan



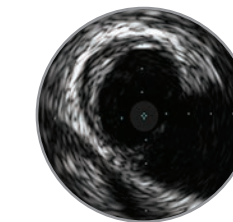
Fast pullback speed (up to 20x) saving time and making each procedure more efficient



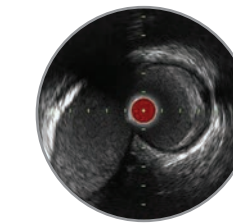
Best-in-class image clarity to determine optimal plaque modification therapy

Infraredx Clarispro™

bringing you greater depth of field than any other HD-IVUS catheter on the market.



Competitor IVUS Image
20MHz

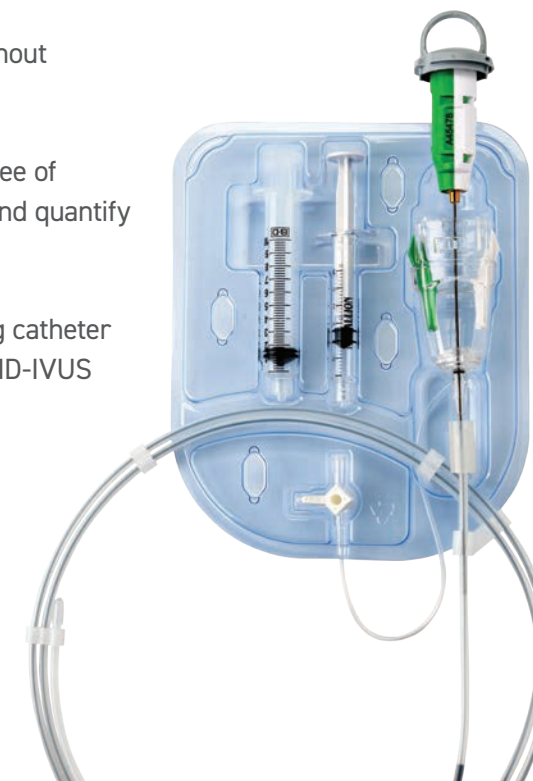


Dualpro IVUS Image
35-65 MHz
extended bandwidth

Dualpro™ IVUS+NIRS

imaging catheter - Best-in-class vessel structure image resolution

- Brings you high resolution without compromising depth of field.
- Allows you to identify the degree of stenosis, as well as visualize and quantify plaque burden.
- The only intravascular imaging catheter utilizing extended bandwidth HD-IVUS technology – 35-65 MHz.



KNOW MORE

Delivering crisper and sharper insights