

# ACIST Pro™

Diagnostic System

## Consistent clarity, evolved.

How ACIST Pro™ compares with ACIST CVi®



**22% smaller**

Footprint reduction above the bedrail increases visibility and improves integration flexibility.

**34% lighter**

Lighter weight and thoughtful injector design support easier movement by most lab personnel, and allow for additional technology on the rail.

**96% reduction**

The AngioTouch® Module may reduce radiation exposure to the operator by up to 96%.<sup>1,2\*</sup>

**33% faster**

Faster setup time.



\* Radiation reduction dependent on where the user stands and placement of the hand controller connection on the bedrail.



|                             | ACIST Cvi®                               | ACIST Pro™  | Design Improvements   |
|-----------------------------|--|---|---|
| <b>System</b>               |  |   |   |
| Rail Placement              |  | Mount and system designed to sit lower on bedrail   | Reduce potential that system will block monitors  |
| Mount                       | Threaded knob                            | Point-of-use  | Facilitate location adjustment based on procedure setup   |
| Cleanability                |  | Improved component access and new coating on key contrast areas                                 | Simplify contrast removal   |
| AngioTouch® Module          |  | Optional secondary hand controller connection point   | Adjust lab setup for differing procedure types and cath lab equipment. Offer contrast injection control further from the radiation source |
| Cart Design                 |  | Streamlined design and adjustable height  | Support transfer between labs and differing bed heights   |
| <b>Setup</b>                |  |   |   |
| Overall Setup               | Majority occurs on the sterile side      | Majority occurs on the non-sterile side   | Ease-of-use; remove reach over sterile field during setup   |
| Bottle Holder               | Two-handed height adjustment             | One-handed height adjustment  | Simplify bottle replacement during procedures   |
| Transducer Backplate Holder | Telescope                                | Slide and lock  | Improve backplate stability to obtain consistent hemodynamic readings   |
| Intuitive User Interface    |  | Modern animation provides step-by-step instructions for setup and top troubleshooting scenarios | Support workflow consistency and reduce learning curve  |
| Monitoring Sensors          | 5 sensors                                | 7 sensors   | Provide automated workflow advancement during setup   |
| Auto-purge                  |  | Smart detection technology on patient tubing informs purge volumes                              | Reduce contrast waste through standardized purge volumes  |
| Saline Pump                 | Saline tubing centered between retainers | Saline tubing guides specify location in pump   | Reduce tubing placement variations to streamline setup  |
| <b>Contrast Management</b>  |  |   |   |
| Hand Controller Calibration | User-defined during setup                | System calibrates during setup  | Provide consistent contrast delivery independent of setup personnel   |
| Contrast Volume             |  | Customizable auto-refill volume   | Reduce manual syringe volume tracking and potential refill wait time prior to image acquisition   |
| Fill Rate                   | 3 mL/sec                                 | 4 mL/sec  | Reduce procedural refill times  |
| Profiles                    | Unable to save injection settings        | Save injection settings   | Customize settings by procedure, user, lab, or hospital SOPs  |
| Syringe Pressure Limits     | Main screen, user-defined, manual entry  | Settings screen, pre-selected options based on common accessory specifications                  | Adjust contrast flow rates as necessary for consistent image acquisition  |

1. Data on file: NU-CLAIM-41

2. Wilson RF, Gainor JP, Allen B. The Effect of Stepping Back From the X-Ray Table on Operator Radiation Exposure. *Health Phys.* 2021;121(5):522-530.

**Rx Only**

See the instructions for use for complete indications and safety information.



**Important Safety Info:** The ACIST Pro™ Diagnostic System is designed to be used by a physician to inject contrast media and saline during angiography. It should be used with appropriate radiographic imaging and blood pressure monitoring and electrocardiogram. Additionally, standard equipment for cardiopulmonary resuscitation and drugs for the treatment of contrast media-induced drug reactions should be available. The ACIST Pro system must be operated by or be under the immediate and direct supervision of a physician trained in angiography and the operation of this unit. For maximum safety, use only material provided by ACIST Medical Systems in conjunction with ACIST Pro. Please refer to the Instructions for Use for more important safety information. Contamination of patient kits or the contrast container septum poses a risk of serious patient injury due to infection. If suspected contamination has occurred, replace the affected item.

An air embolism can cause patient injury or death. The operator must take care and follow a defined procedure consistent with the ACIST Pro Instructions for Use; this is essential to avoid injecting air and causing an embolism. Before injections, clear all air from the entire patient kit and the angiographic catheter. It is necessary to reference the ACIST Pro Instructions for Use to review all important safety information relating to the device, and particularly to the prevention of air embolisms, as the ACIST Pro's sensor systems are not designed to replace the vigilance and care required of the operator in preventing such events.

Use extreme care when setting the flow rate. High flow rate injections can cause patient injury or death. When high flow rate injection is required, select a pressure setting that does not exceed the catheter's pressure rating. The maximum pressure rating of the ACIST Pro system is 1200 psi.

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