Inca® PV Loop System Quick Start-Up Guide



I. Create a New Study File in Conduct NT

1. Launch Conduct NT

2. Review Terms of Use and accept conditions to proceed to create a new study file.

3. Welcome: Select Create a new study.

4. Create New Study: A distinct *Name* and *ID* is required. All other entry fields are optional. Conduct NT will title the study file using the Name entry.

5. Copy Settings from a Previous Study: Select previously created case from the Study drop down menu to replicate settings from an existing file or **Cancel** to proceed without a selection.

6. Data Input: Select Show Live Data.

7. Set up catheter settings by accessing the *Catheter Settings* menu. Under **Settings** in the Conduct NT toolbar, select **Catheter Settings**, Figure 1 will appear.

II. Pressure Calibration

1. Hydrate the catheter's sensor by placing in room temperature saline (0.9% NaCl) for a minimum of 15 seconds.

2. Proceed with placing the sensor just under the surface of saline. Maintain the sensor below the surface of saline, connect the catheter's pressure connector to the Inca Pressure Module using the pressure interface cable.

3. Follow prompts on Conduct NT to auto calibrate pressure sensor.

4. Connect catheter's volume connector to Inca Volume Module using volume interface cable.

Select catheter model being used	Catheter Settings			For Number of electrodes: Default setting 12 electrodes, composing 7 segments. Electrodes can be reduced to 11 (6 active
Default setting 12 electrodes, composing 7 segments	Number of electrodes: C 10 electrodes C 11 electrodes C 12 electrodes Field ratio: C Single Field Ratio C 0.20 C 0.25 C 0.30	Distances: Total volu Electrode 3 · 4 10.00 mm IV Segn Electrode 4 · 5 10.00 mm IV Segn Electrode 5 · 6 10.00 mm IV Segn Electrode 6 · 7 10.00 mm IV Segn Electrode 7 · 8 10.00 mm IV Segn Electrode 8 · 9 10.00 mm IV Segn Electrode 9 · 10 10.00 mm IV Segn	Total volume: Segment 1 Segment 2 Segment 3 Segment 4 Segment 5 Segment 6 Segment 7	volume segments) or 10 (5 active volume segments) Electrode spacing will default when catheter model is selected. Select segments to include in total volume.
	Field frequency	Field frequency ECG All set files OK Cancel 21.5 KHz ECG All set files OK Cancel Figure 1: Catheter Settings		

III. Recommended Catheter Placement

1. Place the catheter straight on the long-axis of the ventricle, with the pigtail at the apex.

2. To confirm that segments are in the ventricle, review the *Segmental Loops* view in Conduct NT. Go to **View** on the toolbar and select **Segmental Loops**.

Note: Segmental loops in the ventricle will run counter-clockwise.

3. After segmental loops have been reviewed, pressure and volume recordings can begin Collect baseline recording.

IV. Volume Calibration using ESV and EDV

1. Select **Vc** on the Conduct NT toolbar. See Figure 3, label 1.

2. Select the baseline recording listed under Files, label 2.

3. Apply the ESV and EDV values in the entry labeled Echo values, label 3.

4. Select *Apply*, label 4. Conduct NT will apply the calibration values to all the data sets in the study.



Figure 2: Segmental Loops View

Conduct NT for Inca FOR CLINICAL EVALUATION ONLY - Bari o × Study Action View Settings Analysis Help = 🖬 🗖 **C**leycom ** ** 13 Current set Data file name Comment EF EDV ESV SVcal EFcal JULI 08001 0.00 0.0 Data files 💌 -Current values SVcat 0.46 JUL08003 pace on to off 44 77 78 77 0.48 75.46 101 JUL08004 little retriev 0.00 0.00 JUL08005 little retriev 0.00 EFcal: 76.49 11 III 08006 0.13 105.89 Manual value SVcat 1 EFcal: SV: 45 Show calibrated index values EDV: 100 55 Calculated values SVcal: 0.45 EFcat 77.52 Apply Move. OR CLINICAL EVALUATION Plaving time: 00:00:10 Filter: 10 Hz low pas

Figure 3: Volume Calibration

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