

Ambulatory Clinics: MAC 5 ECG Tip Sheet

Note: Make sure an ECG order is placed and released in Epic.

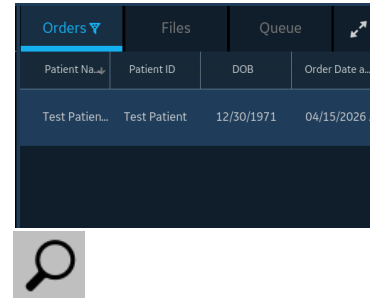
Step 1: Power on the MAC 5.

Step 2: Select New Patient.



Step 3: Load Order (3 Options):

- **Barcode Scanner (Preferred):** Scan the **barcode** on the Patient Wristband, Label or Face Sheet,
- **Order Worklist:** Use when multiple orders are available, double-tap the order closest to the test date and time,
- **Manually type MRN or Visit Number** and press the magnifying glass to run an Order/ADT search.



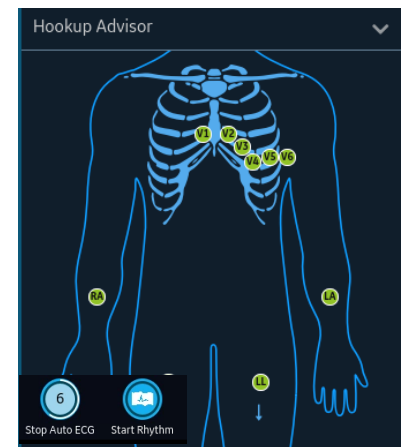
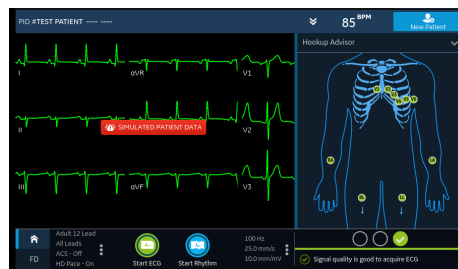
Step 4: Data Entry:

- Loading the order will auto-populate the MRN and patient name using ADT.
- MRN, Last Name, First Name are mandatory fields and have a red asterisk*.
- Enter **Employee ID** in the Technician field.
- Select **Save**.



Step 5: Patient Prep/Hookup:

- Shave chest hair (if applicable),
- Cleanse and dry patient skin,
- Apply the ECG electrodes,
- Attach the ECG leads.



Step 6: Hookup Advisor:

- **Red:** Lead disconnected or not receiving a usable signal.
- **Yellow:** Muscle artifact, powerline interference, baseline wander, or electrode noise
- **Green:** Acceptable signal quality

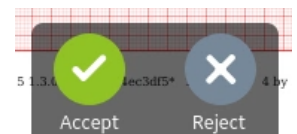
Step 7: ECG Acquisition:

- When you are ready to capture an ECG with good data quality, select the green **Start ECG**.
- **Critical Value Alerts** may appear for high or low heart rates, long QTc, arrhythmias, AV block, ischemia or STEMI.

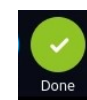


Step 8: Report Preview: View Report Preview

- **Accept:** Press **Accept** to Print and Auto-Send ECG to MUSE (**Note: Mandatory fields Incomplete Alert** may appear if the mandatory fields were not completed. Select OK, complete the mandatory fields, and Save. The ECG will Auto-Send to MUSE).
- **Reject:** Press **Reject** if you want to acquire a different ECG.



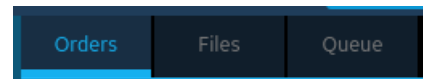
Step 9: Select Done, a message appears asking **"Continue with Same Patient or Start New Patient"**. **Continue with Same Patient** will allow the user to acquire another ECG using the same patient data. **Start New Patient** will erase the patient data, and the user can start an ECG on a new patient.



Tips & Tricks

Tabs Upper Right Corner: Orders, Files, Queue

- **Orders:** Displays Available Orders—Orders will disappear from the list when transmitted to MUSE.
- **Files:** Displays test that have not transmitted to MUSE—test will disappear when transmitted to MUSE.
- **Queue:** Shows test pending transmission or failed transmission—make sure you have a strong Wi-Fi signal, highlight test & press **Retry**.



Bottom Left Corner: Mode, Display, Home & Full-Disclosure

Home: Takes you back to the live screen.

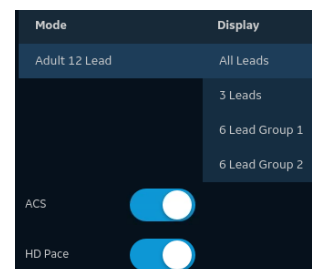
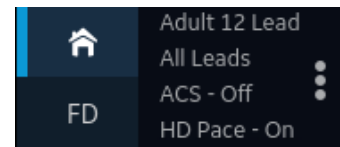
FD: This tab takes you to Full-Disclosure ECG where you can acquire a 5 minute recording and then capture a 10 second 12 Lead from the screen.

Modes: Adult: Will display the appropriate ECG leads used for the 12 lead on the home screen & hook up advisor.

Display: Will change the ECG display.

ACS: Patients demonstrating symptoms of **Acute Coronary Syndrome** can have the following option enabled to add the ACS interpretation statements. This will automatically turn off for the next patient, and will not activate for patients 16 years of age and younger.

HD Pace: Will display pacer spikes towards the bottom of the ECG display for paced patients.



Filters, Speed & Gain (Left Of Hookup Advisor): Changing these only apply to your current Patient and will reset when you start a new patient.

- **Filter (Hz):** Normally set between 150Hz to 100Hz. Lower number values are strong filters (40 Hz & 20 Hz). Note: Applying strong filters may suppress ECG wave forms.
- **Speed:** Normal ECG Speed is set 25mm/s.
- **Gain:** Normal ECG Gain is set at 10 mm/mV.



Filter (Hz)	20	40	100	150	
Speed (mm/s)	5.0	12.5	25.0	50.0	
Gain (mm/mV)	2.5	5.0	10.0	20.0	10.0/5.0