**CLIENT INFORMATION**

**The Medical City South Luzon**

**Greenfield City, Sta. Rosa City, Laguna**

**EQUIPMENT** Cautery Machine

**Brand** Valleylab

**Model** Force 2

**Serial/Asset #** F3A20538T

**Department** Operating Room

**TEST EQUIPMENT**

**Datrend Electrosurgical Analyzer**

**Model:** vPad-RF

**Serial #:** VRF17040068

# Calibration Verification

**Calibration Date** Mar. 15, 2022

**Due Date** Mar. 15, 2023

**File** BTSI-TMCSL-2022-1714

**Detailed Test Data**

HF OUTPUT TEST: Load=300 ohms Result: PASS

ESU settings: Monopolar Low Cut

Power (watts): 280.4

Current (mA): 968.9

Voltages (V): Vrms=289.4

Set:300W

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HF OUTPUT TEST: Load=300 ohms Result: PASS

ESU settings: Monopolar Pure Cut

Power (watts): 281.3

Current (mA): 970.5

Voltages (V): Vrms=289.8

Set:300W

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HF OUTPUT TEST: Load=300 ohms Result: PASS

ESU settings: Monopolar Blend Cut

Power (watts): 187.1

Current (mA): 791.5

Voltages (V): Vrms=236.4

Set:200W

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HF OUTPUT TEST: Load=300 ohms Result: PASS

ESU settings: Monopolar Dessicate

Power (watts): 116.0

Current (mA): 623.2

Voltages (V): Vrms=186.1

Set:120W

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HF OUTPUT TEST: Load=300 ohms Result: PASS

ESU settings: Monopolar Fulgurate

Power (watts): 116.2

Current (mA): 623.8

Voltages (V): Vrms=186.3

Set:120W

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HF OUTPUT TEST: Load=500 ohms Result: PASS

ESU settings: Monopolar Spray

Power (watts): 116.5

Current (mA): 624.5

Voltages (V): Vrms=186.5

Set:120W

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HF OUTPUT TEST: Load=300 ohms Result: PASS

ESU settings: Bipolar Precise

Power (watts): 60.5

Current (mA): 449.9

Voltages (V): Vrms=134.4

Set:70W

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HF OUTPUT TEST: Load=300 ohms Result: PASS

ESU settings: Bipolar Standard

Power (watts): 72.1

Current (mA): 491.2

Voltages (V): Vrms=146.7

Set:70W

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HF OUTPUT TEST: Load=300 ohms Result: PASS

ESU settings: Bipolar Macro

Power (watts): 72.0

Current (mA): 490.9

Voltages (V): Vrms=146.6

Set:70W

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HF LEAKAGE: Isolated Neutral Lead Result: PASS

ESU load: None

Conditions: Monopolar Cut

Leakage: 56.6 mA

Limit: 150.0 mA

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HF LEAKAGE: Isolated Neutral Lead Result: PASS

ESU load: None

Conditions: Monopolar Coag

Leakage: 46.0 mA

Limit: 150.0 mA

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HF LEAKAGE: Isolated active lead Result: PASS

ESU load: None

Conditions: Monopolar Coag

Leakage: 0.0 mA

Limit: 150.0 mA

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HF LEAKAGE: Earth-ref., load to neutral Result: PASS

ESU load: 200 ohms

Conditions: Monopolar Cut

Leakage: 52.8 mA

Limit: 150.0 mA

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HF LEAKAGE: Earth-ref., load to neutral Result: PASS

ESU load: 200 ohms

Conditions: Monopolar Coag

Leakage: 42.5 mA

Limit: 150.0 mA

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HF LEAKAGE: Earth-ref., load to earth Result: PASS

ESU load: 200 ohms

Conditions: Monopolar Cut

Leakage: 60.2 mA

Limit: 150.0 mA

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HF LEAKAGE: Earth-ref., load to earth Result: PASS

ESU load: 200 ohms

Conditions: Monopolar Coag

Leakage: 49.5 mA

Limit: 150.0 mA

Limit: 150.0 mA

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HF LEAKAGE: IEC bipolar lead 1 Result: PASS

ESU load: 100 ohms

Conditions: Bipolar Standard

Leakage: 22.4 mA

Limit: 150.0 mA

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HF LEAKAGE: IEC bipolar lead 2 Result: PASS

ESU load: 100 ohms

Conditions: Bipolar Standard

Leakage: 26.7 mA

Limit: 150.0 mA

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HF LEAKAGE: Cross-coupling test Result: PASS

ESU load: 200 ohms

Conditions: Monopolar Cut

Leakage: 38.5 mA

Limit: 150.0 mA

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HF LEAKAGE: Cross-coupling test Result: PASS

ESU load: 200 ohms

Conditions: Monopolar Coag

Leakage: 31.5 mA

Limit: 150.0 mA

**REMARKS:**

**OVERALL RESULT: PASS**

**\*\*end of record\*\***

Biomedical Technician: Cristopher M. Nipal Verified By: Engr. Oliver E. Sta. Ana