

-196°C



## About LabTAG's RFID Solutions

Radio-Frequency Identification (RFID) is a powerful tool used by hospitals, research facilities, and IVF labs for record keeping, access control, inventory tracking, sample and patient management, and much more. Our RFID labels are outfitted with a small, flexible RFID inlay that allows them to be applied to various surfaces. Custom RFID labels; with the ability to insert passive UHF, HF, or NFC inlays into any of our labels, RFID label solutions suited to any environment can be provided.



[Labtag.com/rfid-labels](http://Labtag.com/rfid-labels)

# RFID NitroTAG®

## Cryogenic RFID Labels For Vials & Tubes

Temperature range -196°C to +110°C (-321°F to +230°F)\*

RFID NitroTAG® labels are specifically designed for extended storage under ultra-low temperature and cryogenic conditions, including in liquid nitrogen (-196°C/-321°F). Their strong permanent adhesive ensures they will stay affixed on cryo tubes & vials, as well as cryo boxes and plastic bags.



SKU#	Inches (W x H)	mm (W x H)	Core	Labels/Roll	Colors Available
RF3-JTTA-29NPC1-1WH	1" x 1"	25.4 x 25.4	1"	1,000	Ⓜ
RF3-JTTA-29NPC3-1WH	1" x 1"	25.4 x 25.4	3"	1,000	Ⓜ
RF3-JTTA-118NPC1-1WH	1" x 1.25"	25.4 x 31.8	1"	1,000	Ⓜ
RF3-JTTA-118NPC3-1WH	1" x 1.25"	25.4 x 31.8	3"	1,000	Ⓜ
RF3-JTTA-9NPC1-1	1.25" x 0.875"	31.8 x 22.2	1"	1,000	Ⓜ <span style="color: yellow;">●</span> YE
RF3-JTTA-9NPC3-1	1.25" x 0.875"	31.8 x 22.2	3"	1,000	Ⓜ <span style="color: yellow;">●</span> YE
RF3-JTTA-504NPC1-1WH	1.5" x 1"	38.1 x 25.4	1"	1,000	Ⓜ
RF3-JTTA-504NPC3-1WH	1.5" x 1"	38.1 x 25.4	3"	1,000	Ⓜ
RF3-JTTA-28NPC1-1WH	2" x 1"	50.8 x 25.4	1"	1,000	Ⓜ
RF3-JTTA-28NPC3-1WH	2" x 1"	50.8 x 25.4	3"	1,000	Ⓜ
RF3-JTTA-14NPC1-0.75WH	2" x 1.5"	50.8 x 38.1	1"	750	Ⓜ
RF3-JTTA-14NPC3-1WH	2" x 1.5"	50.8 x 38.1	3"	1,000	Ⓜ
RF3-JTTA-27NPC1-0.5WH	2" x 2"	50.8 x 50.8	1"	500	Ⓜ
RF3-JTTA-27NPC3-0.75WH	2" x 2"	50.8 x 50.8	3"	750	Ⓜ
RF3-JTTA-231NPC1-1WH	2.25" x 1.25"	57.2 x 31.8	1"	1,000	Ⓜ
RF3-JTTA-231NPC3-1WH	2.25" x 1.25"	57.2 x 31.8	3"	1,000	Ⓜ
RF3-JTTA-5NPC1-1WH	2.5" x 1"	63.5 x 25.4	1"	1,000	Ⓜ
RF3-JTTA-5NPC3-1WH	2.5" x 1"	63.5 x 25.4	3"	1,000	Ⓜ
RF3-JTTA-36NPC1-1WH	3" x 1"	76.2 x 25.4	1"	1,000	Ⓜ
RF3-JTTA-36NPC3-1WH	3" x 1"	76.2 x 25.4	3"	1,000	Ⓜ
RF3-JTTA-56NPC1-0.5WH	3" x 2"	76.2 x 50.8	1"	500	Ⓜ
RF3-JTTA-56NPC3-0.75WH	3" x 2"	76.2 x 50.8	3"	750	Ⓜ
RF3-JTTA-127NPC1-1WH	4" x 1"	101.6 x 25.4	1"	1,000	Ⓜ
RF3-JTTA-127NPC3-1WH	4" x 1"	101.6 x 25.4	3"	1,000	Ⓜ
RF3-JTTA-62NPC1-0.5WH	4" x 2"	101.6 x 50.8	1"	500	Ⓜ
RF3-JTTA-62NPC3-0.75WH	4" x 2"	101.6 x 50.8	3"	750	Ⓜ
RF3-JTTA-216NPC1-0.5WH	4" x 2.5"	101.6 x 63.5	1"	500	Ⓜ
RF3-JTTA-216NPC1-0.75WH	4" x 2.5"	101.6 x 63.5	3"	750	Ⓜ

# RFID CryoSTUCK®

## Cryogenic RFID Labels For Frozen Surfaces

Temperature range -196°C to +100°C (-321°F to +212°F)\*

Our cryo RFID labels for already frozen cryo vials and tubes have a strong adhesive and flexible UHF inlay that allow them to be applied under deep-freeze conditions (-80°C/-112°F) and stored inside liquid nitrogen tanks. They will also withstand elevated temperatures up to +100°C (+212°F), including immersion in heated water baths.



SKU#	Inches (W x H)	mm (W x H)	Core	Labels/Roll
RF3-L2FSA-327NPC1-1WH	0.875" x 0.875" + 0.875" Wrap	22.2 x 22.2 + 22.2 Wrap	1"	1 000
RF3-L2FSA-327NPC3-1WH	0.875" x 0.875" + 0.875" Wrap	22.2 x 22.2 + 22.2 Wrap	3"	1 000
RF3-L2FSA-348NPC1-1WH	1.25" x 0.875" + 0.75" Wrap	31.8 x 22.2 + 19 Wrap	1"	1 000
RF3-L2FSA-348NPC3-1WH	1.25" x 0.875" + 0.75" Wrap	31.8 x 22.2 + 19 Wrap	3"	1 000
RF3-L2FSA-308NPC1-1WH	1.34" x 1" + 1.38" Wrap	34 x 25.4 x 35 Wrap	1"	1 000
RF3-L2FSA-308NPC3-1WH	1.34" x 1" + 1.38" Wrap	34 x 25.4 x 35 Wrap	3"	1 000
RF3-L2FSA-332NPC1-0.75WH	2.75" x 1" + 1.25" Wrap	69.9 x 25.4 + 31.8 Wrap	1"	750
RF3-L2FSA-332NPC3-0.75WH	2.75" x 1" + 1.25" Wrap	69.9 x 25.4 + 31.8 Wrap	3"	750

# RFID Cryo-WrapTAG™

## Cryogenic RFID Wrap-Around Labels for Vials & Tubes (Patent Pending)

Temperature range -196°C to +100°C (-321°F to +212°F)\*

RFID Cryo-WrapTAG™ labels include a reliable wrap-around feature to ensure your cryo vials are securely identified with visual and electronic information for maximum data integrity. These self-laminating labels are suitable for long-term storage in liquid nitrogen as well as in temperatures up to +100°C (+212°F).



SKU#	Inches (W x H)	mm (W x H)	Orientation	Core	Labels/Roll
RF3-HBTT-342NPC1-0.5WH	1" x 1" + 1.625" Wrap	25.4 x 25.4 + 41.28 Wrap	Portrait	1"	500
RF3-HBTT-342NPC3-1WH	1" x 1" + 1.625" Wrap	25.4 x 25.4 + 41.28 Wrap	Portrait	3"	1,000
RF3-HBTT-309NPC1-0.5WH	1" x 1.18" + 1.69" Wrap	25.4 x 30 + 43 Wrap	Portrait	1"	500
RF3-HBTT-309NPC3-1WH	1" x 1.18" + 1.69" Wrap	25.4 x 30 + 43 Wrap	Portrait	3"	1,000
RF3-HBTT-308NPC1-1WH	1.34" x 1" + 1.38" Wrap	34 x 25.4 x 35 Wrap	Landscape	1"	1,000
RF3-HBTT-308NPC3-1WH	1.34" x 1" + 1.38" Wrap	34 x 25.4 x 35 Wrap	Landscape	3"	1,000

# CryoRFID™

## Deep-Freeze RFID Labels For Vials & Tubes

Temperature range -80°C to +90°C (-112°F to +194°F)\*

Deep-freeze RFID thermal-transfer labels are intended for storage in lab freezers and dry ice transportation, with a flexible UHF inlay that allows excellent adhesion to vials and tubes, even at low temperatures. They allow multiple labels to be scanned simultaneously, even while inside cryo/freezer boxes, perfect for real-time tracking of inventory.

SKU#	Inches (W x H)	mm (W x H)	Core	Labels/Roll
CRF-510NPC1-1WH	1.378" x 0.866"	35 x 22	1"	1,000
CRF-510NPC3-1WH	1.378" x 0.866"	35 x 22	3"	1,000



# RFID-PlateTAG™

## RFID Labels For Microplates

Temperature range -80°C to +110°C (-112°F to +230°F)\*

RFID-PlateTAG™ labels are designed specifically for the identification of microplates, Petri dishes, as well as PCR/qPCR plates. These thin RFID labels have an integrated UHF inlay, suitable for real-time tracking and inventory of multiple plates, perfect for use in high-throughput screening applications.

SKU#	Inches (W x H)	mm (W x H)	Core	Labels/Roll
RFP-550NPC1-0.5WH	2.5" x 0.24"	64 x 6	1"	500
RFP-550NPC3-1WH	2.5" x 0.24"	64 x 6	3"	1,000



# RFID XyliTUFF™

## Xylene & Chemical-Resistant RFID Labels

Temperature range -80°C to +120°C (-112°F to +248°F)\*

RFID XyliTUFF labels are xylene and chemical-resistant, made to withstand exposure to harsh chemicals and solvents. Intended for use on flat surfaces, they will resist up to 15 hours of xylene immersion. Ideal for histology and other applications where visual and electronic data requires chemical resistance for maximum traceability and tracking.



SKU#	Inches (W x H)	mm (W x H)	Core	Labels/Roll
RF3-FTT-98NPC1-1WH	0.875" x 0.875"	22.2 x 22.2	1"	1,000
RF3-FTT-98NPC3-1WH	0.875" x 0.875"	22.2 x 22.2	3"	1,000
RF3-FTT-504NPC1-1WH	1.5" x 1"	38.1 x 25.4	1"	1,000
RF3-FTT-504NPC3-1WH	1.5" x 1"	38.1 x 25.4	3"	1,000
RF3-FTT-28NPC1-0.75WH	2" x 1"	50.8 x 25.4	1"	750
RF3-FTT-28NPC3-0.75WH	2" x 1"	50.8 x 25.4	3"	750
RF3-FTT-62NPC1-0.5WH	4" x 2"	101.6 x 50.8	1"	500
RF3-FTT-62NPC3-0.5WH	4" x 2"	101.6 x 50.8	3"	500

# RFID ParafiTAG™

## RFID Labels for Paraffin Wax Blocks

Temperature range -55°C to +70°C (-67°F to +158°F)\*

RFID ParafiTAG™ labels have a strong permanent adhesive that adheres to paraffin wax blocks, as well as other hard-to-stick surfaces such as Teflon, Polytetrafluoroethylene (PTFE), and Perfluoroalkoxy (PFA). These chemical-resistant labels are ideal for identifying Formalin-Fixed Paraffin-Embedded (FFPE) tissue blocks.



SKU#	Inches (W x H)	mm (W x H)	Core	Labels/Roll
RF3-PRF-67NPC1-1WH	0.9375" x 0.9375"	23.8 x 23.8	1"	1,000
RF3-PRF-67NPC3-1WH	0.9375" x 0.9375"	23.8 x 23.8	3"	1,000

# RFID Steri-ThermoTAG™

## RFID Autoclave Labels

Temperature range -60°C to +150°C (-76°F to +302°F)\*

RFID Steri-ThermoTAG™ labels are designed to identify various containers and surfaces that will undergo steam and dry heat sterilization. They can withstand multiple autoclave cycles (121°C/250°F, 16.5 psi pressure, 20 minutes) and can also be used with single-use medical devices and sterilization pouches.



SKU#	Inches (W x H)	mm (W x H)	Core	Labels/Roll
RF3-AUTT-28NPC1-1WH	2" x 1"	50.8 x 25.4	1"	1,000
RF3-AUTT-28NPC3-1WH	2" x 1"	50.8 x 25.4	3"	1,000
RF3-AUTT-27NPC1-0.75WH	2" x 2"	50.8 x 50.8	1"	750
RF3-AUTT-27NPC3-0.75WH	2" x 2"	50.8 x 50.8	3"	750
RF3-AUTT-231NPC1-0.75WH	2.25" x 1.25"	57.2 x 31.8	1"	750
RF3-AUTT-231NPC3-0.75WH	2.25" x 1.25"	57.2 x 31.8	3"	750
RF3-AUTT-200NPC1-0.5WH	2.5" x 1.25"	64 x 31.8	1"	500
RF3-AUTT-200NPC3-0.75WH	2.5" x 1.25"	64 x 31.8	3"	750
RF3-AUTT-36NPC1-0.75WH	3" x 1"	76.2 x 25.4	1"	750
RF3-AUTT-36NPC3-0.75WH	3" x 1"	76.2 x 25.4	3"	750
RF3-AUTT-62NPC1-0.5WH	4" x 2"	101.6 x 50.8	1"	500
RF3-AUTT-62NPC3-0.75WH	4" x 2"	101.6 x 50.8	3"	750
RF3-AUTT-216NPC1-0.5WH	4" x 2.5"	101.6 x 63.5	1"	500
RF3-AUTT-216NPC3-0.5WH	4" x 2.5"	101.6 x 63.5	3"	500

# Printers

## Zebra ZD621R UHF RFID Thermal-Transfer/Direct Thermal Printer - SKU #ZD621R

**Print Technology:** Thermal-Transfer/Direct Thermal

**Print Resolution (DPI):** 300

**RFID Enabled:** Yes (UHF EPC Gen 2 V2, ISO/IEC 18000-63 and RAIN RFID protocols)

**Printer Interfaces:** Ethernet, Serial, USB 2.0, USB Host, Bluetooth (BTLE5)

**Print Speed:** Up to 6 ips; in/sec (152 mm/sec)

**LCD Screen:** 4.3" full color touch with 3-button user interface

**Maximum Print Width:** 4.27" (108 mm)

**Label Width:** 0.585" – 4.65" (15 mm – 118 mm)

**Label Height:** 0.25" – 3.9" (6.4 mm – 99.1 mm)

**Media Roll Core Diameter:** 1" (25.4 mm) or 3" (76.2mm) using optional adapters

**Media Roll Outer Diameter:** 5" (127 mm)

**Media Sensor:** Full-width, moveable reflective/black mark sensor; multi-position transmissive/gap sensor

**Power Cord:** North America, USA\*

**Ribbon Standard Length:** 984 ft. (300 m); 244 ft. (74 m)

**Ribbon Width:** 1.33" / 33.8 mm to 4.3" /109.2 mm

**Ribbon Core I.D.:** 300-meter ribbon (1"/25.4 mm core) or 74-meter ribbon (0.5"/12.7 mm core)

**Ribbon Wound:** Out

**SDRAM Memory:** 128 MB

**Flash Memory:** 256 MB



# Readers

## Unitech Handheld UHF RFID Reader with 2D Imager (USA) - SKU #EA/RG630-Kit

**Operating Frequency:** FCC 902-928 MHz

**Operating System:** Android 10

**Scanner Type:** Imager, 1D and 2D barcodes

**Style:** Gun Grip

**Standards Supported:** EPC Class 1 Gen 2 V2

**Interface:** Wi-Fi, Bluetooth, 4G cellular connectivity

**Location Services:** GPS / A-GPS

**Communications:** USB 3.1 Type C, Ethernet/USB-Host via Cradle (Optional)

**Memory:** 3GB RAM / 32GB Flash

**Memory Expansion:** MicroSD (128 GB Max)

**Battery:** 4000 mAh internal (lithium polymer)

**Expansion Slot:** MicroSD, up to 256 GB



# Custom RFID Solutions

In addition to our currently available blank, user-printable RFID labels, RFID solutions can be provided, custom printed with serialized barcodes, color logos, and encoded with alphanumeric values. We also offer full customization options to meet your specific application needs. As such, we can provide your labels fully pre-printed, or blank with only your full-color logo added. Our full customization options also include selecting any of our durable label facestocks to produce an RFID label that can withstand chemical exposure and a wide range of temperatures. From inlay, antennae, and label size combination to configuration and material selections, GA International offers performant specialty labels to produce unique and dependable identification and tracking solutions.



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