

Powering the Next Generation of Minimally Invasive Surgery

The CellFX® nsPFA System is a significant advancement in minimally invasive surgical technology. Developed by Pulse Biosciences, the CellFX System utilizes Nanosecond Pulsed Field Ablation (nsPFA™) technology to induce natural Regulated Cell Death in cells while minimizing damage on surrounding acellular tissue. This System comprises the state-of-the-art CellFX nsPFA Console and the CellFX nsPFA Percutaneous Electrodes, both of which are integral to delivering this revolutionary treatment.

Advantages of CellFX nsPFA Energy

Non-Thermal Mechanism: nsPFA devices use ultrafast electrical pulses to induce regulated cell death without thermal damage. This non-thermal approach minimizes the risk of collateral damage to surrounding tissues and structures and provides a fast, precise procedure profile.

Rapid Procedures & Resolution: nsPFA technology enables rapid procedures and resolution, contributing to treatment times for enhanced patient throughput in clinical settings. Preservation of local blood and lymphatic systems supports fast and natural phagocytosis, leading to quick and thorough removal of ablated tissue.

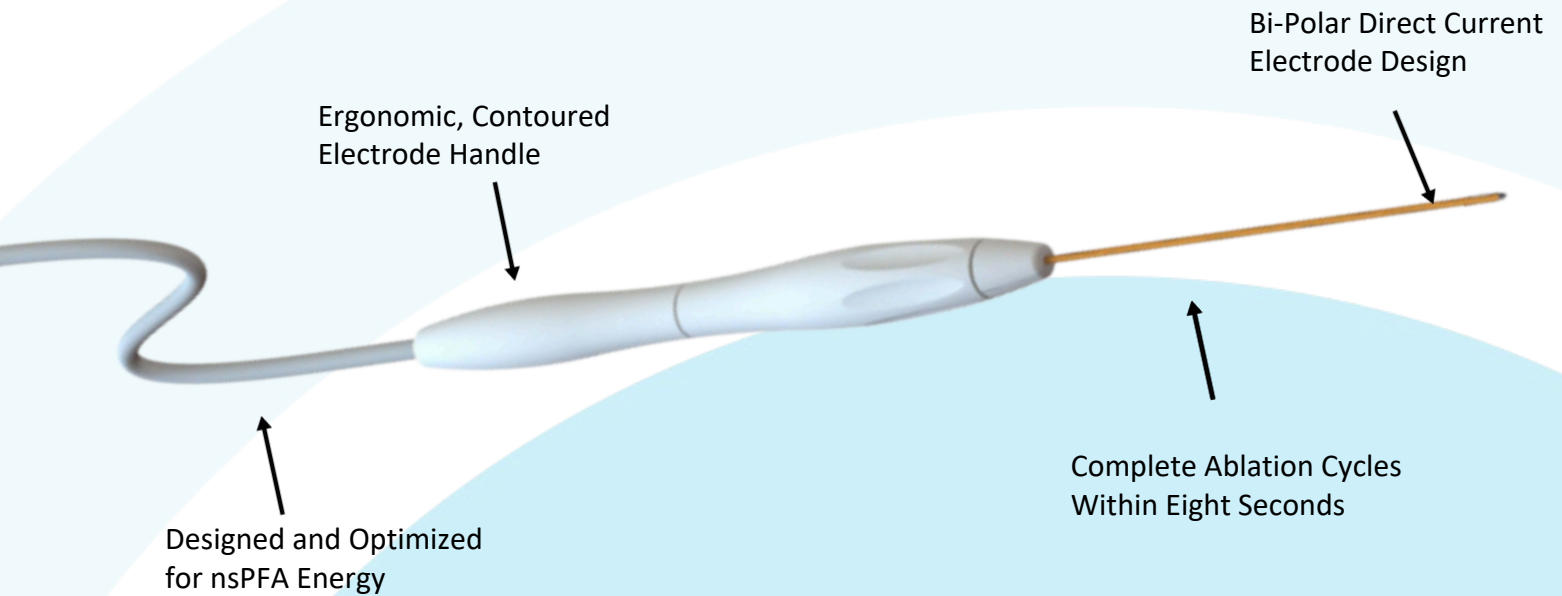
Minimal Side Effects: The natural Regulated Cell Death Mechanism of Action of nsPFA technology leads to reduced side effects and complications. Combined with reduced impact to healthy, surrounding tissues, CellFX nsPFA technology offers patients a more comfortable treatment experience with quicker return to daily activities.



	CellFX nsPFA	Standard PFA	RF / MW	Cryo
Cellular Specific*	✓	✓		
No Paralytics or Cardiac Sync Required*	✓		✓	✓
Nonthermal and Safe to Surrounding Tissue*	✓	✓		
Regulated Cell Death Mechanism of Action*	✓			

*Preclinical Data on File

CellFX[®] nsPFA[™] Percutaneous Electrode



Unique and Proprietary nsPFA Mechanism of Action

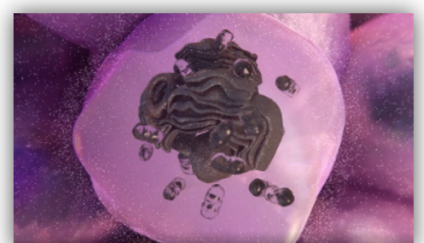
Stimulates precise, natural Regulated Cell Death (RCD) in any cell without collateral damage



Nonthermal modality that delivers nanosecond duration pulses of electrical energy



High speed nanosecond energy pulses penetrate the cell membrane and **disrupt internal cellular function**, leading to **Regulated Cell Death (RCD)**, akin to **Apoptosis**



Unlike thermal (heat/cold) modalities, nsPFA directly impacts cellular structures while **sparing noncellular tissue** (including collagen, vessels, and nerves)

CellFX nsPFA Percutaneous Electrode System Catalog Numbers

Catalog #	Description
CFX10	CellFX Console
CPA01	CellFX Percutaneous Adapter
CPE13G-10	CellFX nsPFA Percutaneous Electrode, 13G, 10cm

Indications for Use: The CellFX Percutaneous Electrode System is indicated for ablation of soft tissue in percutaneous, and intraoperative surgical procedures. The CellFX Percutaneous Electrode System (Percutaneous Electrode) is not indicated for use in cardiac procedures.

The CellFX Percutaneous Electrode System is FDA Cleared for use in the US.
FDA 510(k) Clearance: K233705

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