



Princeton Separations Scientific LLC | Corporate Presentation

2024

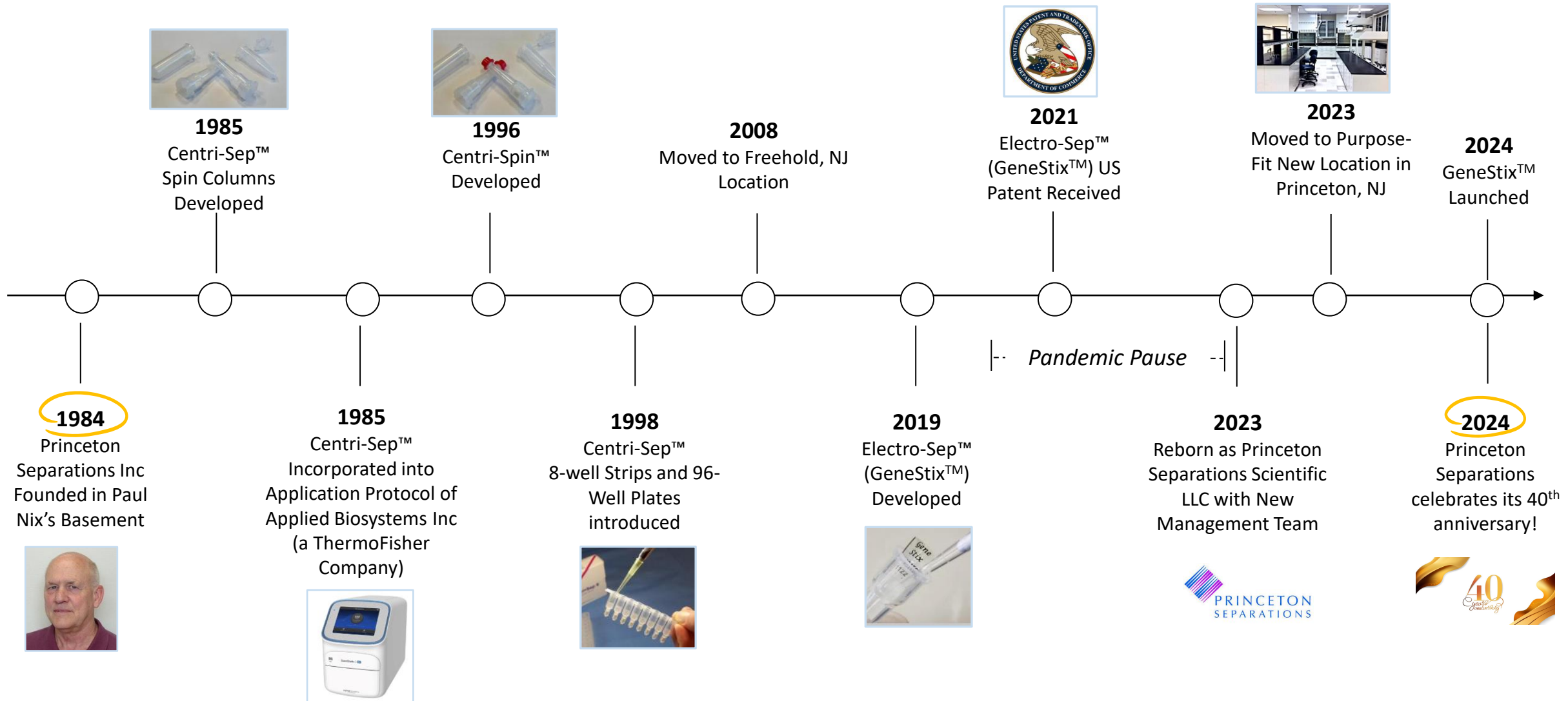


Princeton Separations Overview











- 1** Globally Recognized Brand Name in Molecular Separations with 40 Years of Track Record in Quality and Innovation
- 2** Portfolio of Essential Protein Purification and Extraction Products Addressing Needs from Individual Spin Columns to High Throughput Products
- 3** Growth Opportunity Through Patented Novel DNA Size Selection Technology and Product (GeneStix™)
- 4** Asset-Light Scalable Manufacturing Platform with Clean Room Suites in a BioTech Incubator in “Einstein Valley” near Princeton, New Jersey
- 5** Nimble and Efficient Family Business Run with Global Quality Standards

1 Globally Recognized Brand Name in Molecular Separations with 40 Years of Track Record in Quality and Innovation



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Portfolio of Essential Protein Purification and Extraction Products Addressing Needs from Individual Spin Columns to High Throughput Products

	Brand	SKU	Prod Image	DNA Recovery ¹	Storage
Dry Gel Products	Centri-Sep Spin Columns	Box of 20 Count Box of 50 Count		Excellent recovery of DNA fragments with sizes greater than 16 base pairs or 25-mer , while removing > 98 % of salts, NTP's and other unwanted low- molecular- weight impurities	Room Temperature
	Centri-Spin 10	Box of 20 Count Box of 50 Count		Excellent recovery of DNA fragments with sizes greater than 10 base pairs or 10-mer . Proteins, peptides, and protein conjugates > 5 kD can also be efficiently separated	Room Temperature
	Centri-Spin 20	Box of 20 Count Box of 50 Count		Excellent recovery of DNA fragments with sizes greater than 20 base pairs or 20-mer . Proteins, peptides, and protein conjugates > 25 kD can also be efficiently separated	Room Temperature
	Centri-Spin 40	Box of 20 Count Box of 50 Count		80 % of short oligonucleotides (< 25-mer); excellent recovery of up to 70 % with sizes greater than 135 base pairs . Proteins, peptides, and protein conjugates > 100 kD can also be separated	Room Temperature
Hydrated Gel Products	Centri-Sep 8-Well Strips	12 x 8-Well Strips		Excellent recovery of DNA fragments with sizes greater than 16 base pairs or 25-mer , while removing > 98 % of salts, NTP's and other unwanted low- molecular- weight impurities	2 - 8 C ²
	Centri-Sep 96-Well Plates	Box of 2 Plates Box of 25 Plates Box of 50 Plates		Excellent recovery of DNA fragments with sizes greater than 16 base pairs or 25-mer , while removing > 98 % of salts, NTP's and other unwanted low- molecular- weight impurities	2 - 8 C ²
ElectroSep Products	GeneStix	Box of 2 GeneStix Box of 10 GeneStix Box of 50 GeneStix		DNA size of desire. DNA recovery is ca. 85% . Process efficiency improvement of up to 35% . It does not require specialized Electrophoresis device.	Room Temperature

¹ See further details of each product at https://www.prinsep.com/sites/prinsep.rpdesign.com/files/2024-Catalog_vf.pdf

¹ Shipment can be done in room temperature

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Growth Opportunity Through Patented Novel DNA Size Selection Technology and Product (GeneStix™) Launched in 2024



- 85% DNA recovery
- 35% Process Efficiency Improvement



- No capital expenditure for specialized Electrophoresis Equipment needed



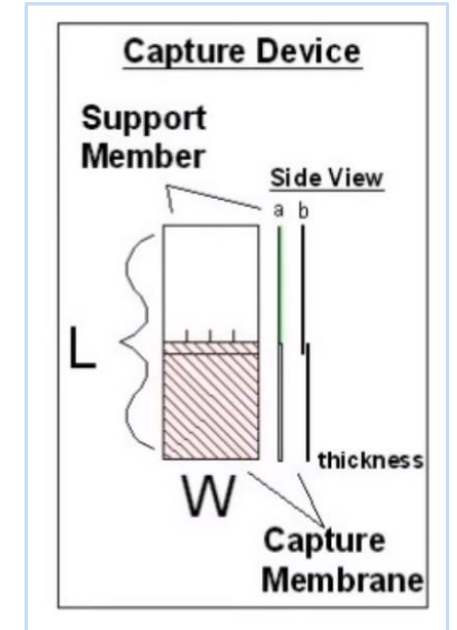
- US patent granted¹
- EU patent pending

Applications:

- Size Selection of DNA for use in the Next Generation Sequencing (NGS)
- Size Selection and recovery of RNA
- NGS Library Prep
- Long Range PCR and Barcoded Long-Range PCR
- mtDNA and eDNA

Advantages:

- No specialized gel electrophoresis equipment needed
- No UV dyes needed in sample
- Does not require use of damaging UV sensitive dyes
- Uses Calibrated DNA Migration Gauge in room light
- Multiple Gene Stix can be used with one sample
- Unique Serial Numbering system provides unambiguous sample identification
- No cutting of gel bands required



Gene Stix™, for the first time, allows one to recover nucleic acids directly from the gel²

¹ US Patent 11,174,285 B2

² Further info at <https://www.prinsep.com/gene-stix%E2%84%A2-dna-recovery-kit>

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Asset-Light Scalable Manufacturing Platform with Clean Room Suites in a BioTech Incubator in “Einstein Valley” near Princeton, New Jersey



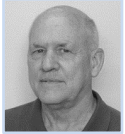
- ❑ Located in Princeton Corporate Plaza, a biotech incubator with 250,000 sqf research lab space housing over 80 companies, near Princeton, New Jersey
- ❑ 2400 sqf new state-of-the-art manufacturing facility
- ❑ All our products are manufactured in clean rooms in a sterile environment
- ❑ Includes office space, conference room and storage unit



5 Nimble and Efficient Family Business Run with Global Quality Standards

Founder & President

Paul Nix, Ph.D
*Founder &
 President*



- ❑ Founder and the President of Princeton Separation Scientific LLC and its predecessor company Princeton Separations, Inc.
- ❑ PhD in Biochemistry from Penn State University
- ❑ 40 years of hands-on experience in molecular separations
- ❑ Inventor of Centri-Sep, Centri-Spin and GeneStix products

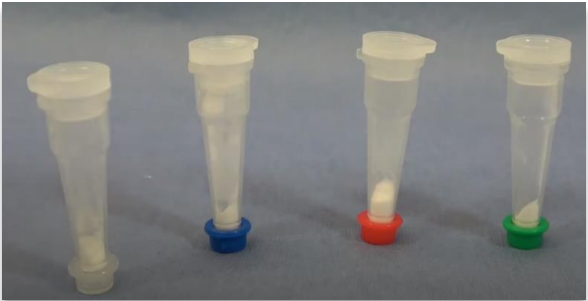
Princeton Separations Scientific LLC

- ❑ Incorporated in Oct 2023
 (Predecessor company in 1984)
- ❑ Registered in New Jersey
- ❑ Limited Liability Corporation
- ❑ Partnership Structure

- ❑ Address:
 7 Deerpark Drive, Suite M12
 Monmouth Junction, NJ 08852

- ❑ Website:
www.prinsep.com
- ❑ Email:
info@prinsep.com

EXCELLENCE IS IN OUR DNA!



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