

Now sold as  
Thermo Scientific

# Sample Preparation

**Solid Phase Reversible Isolation**

with

**Sera-Mag Magnetic Particles**

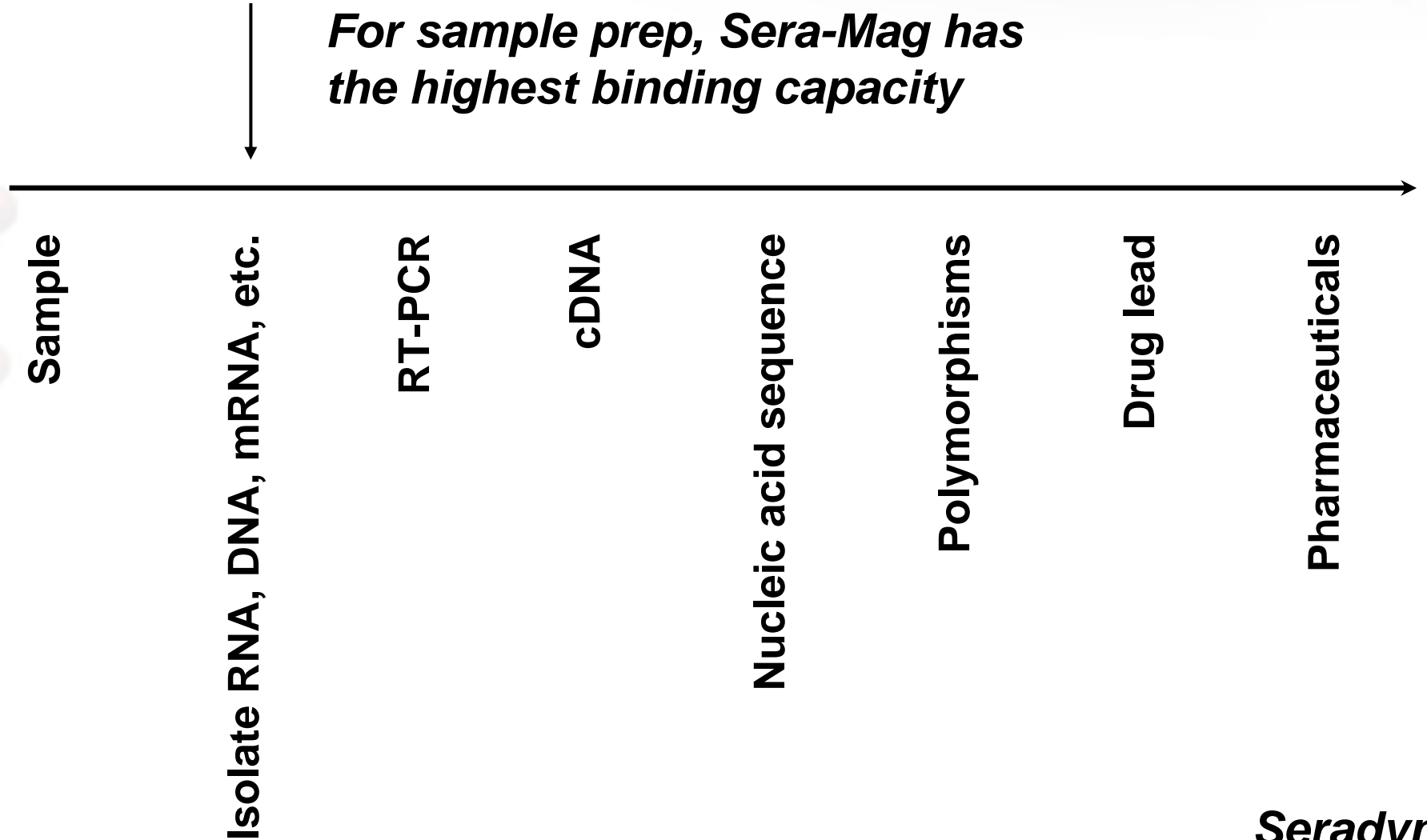


# Sera-Mag™ Magnetic Particles

*Sample prep - the first step*



*For sample prep, Sera-Mag has the highest binding capacity*



# Sera-Mag™ Magnetic Particles

## *Applications*



- **Molecular Biology**
  - DNA probes
  - Isolate PCR product
  - Sample prep
- **Immunoassay**
  - Chemiluminescent
  - Radio-labeled
  - Capture
- **Cell Isolation**
  - CD4/CD8
  - Etc.

# Sera-Mag™ Magnetic Carboxyl

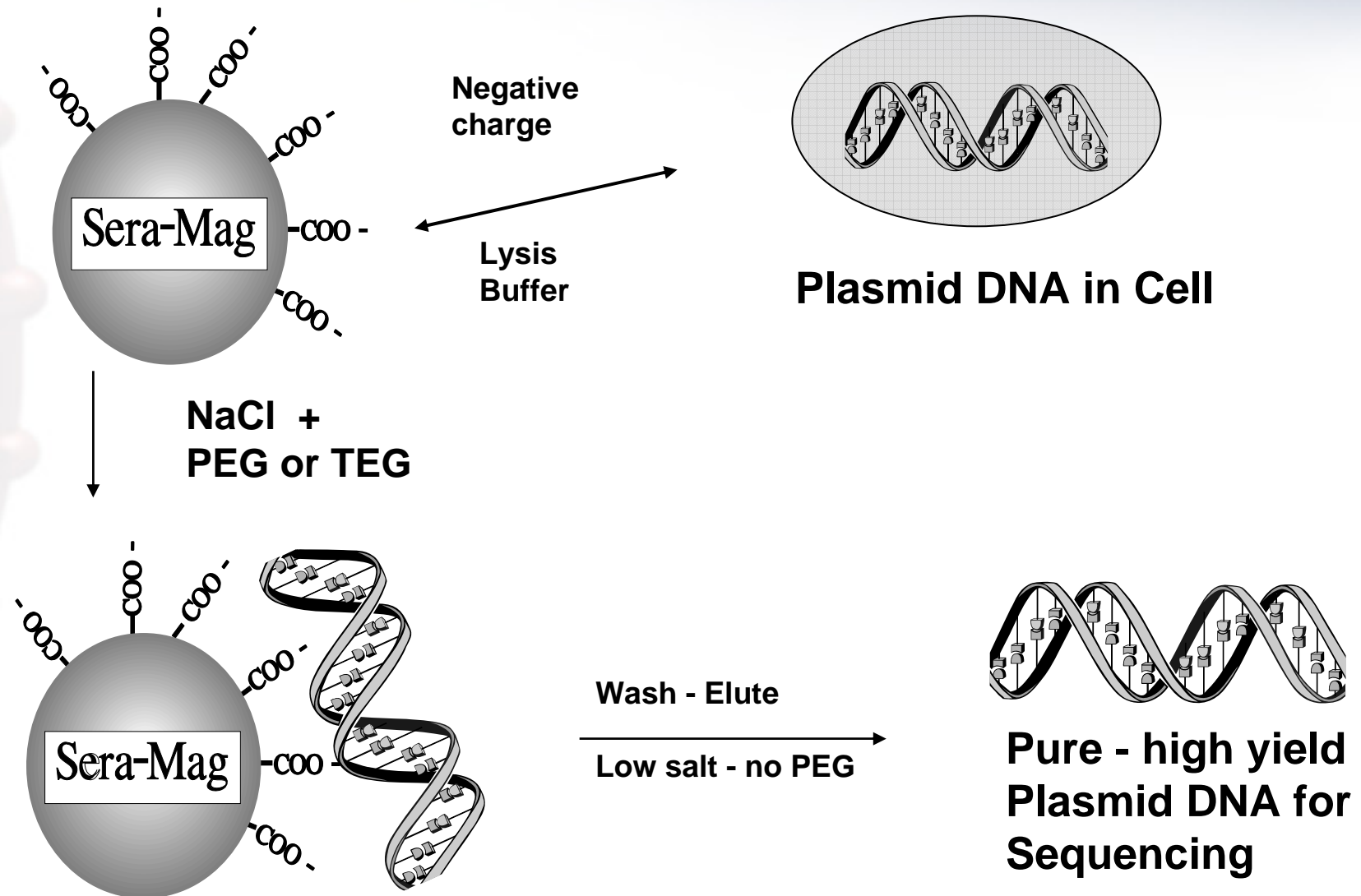
*Patented SPRI Process 5,898,071*



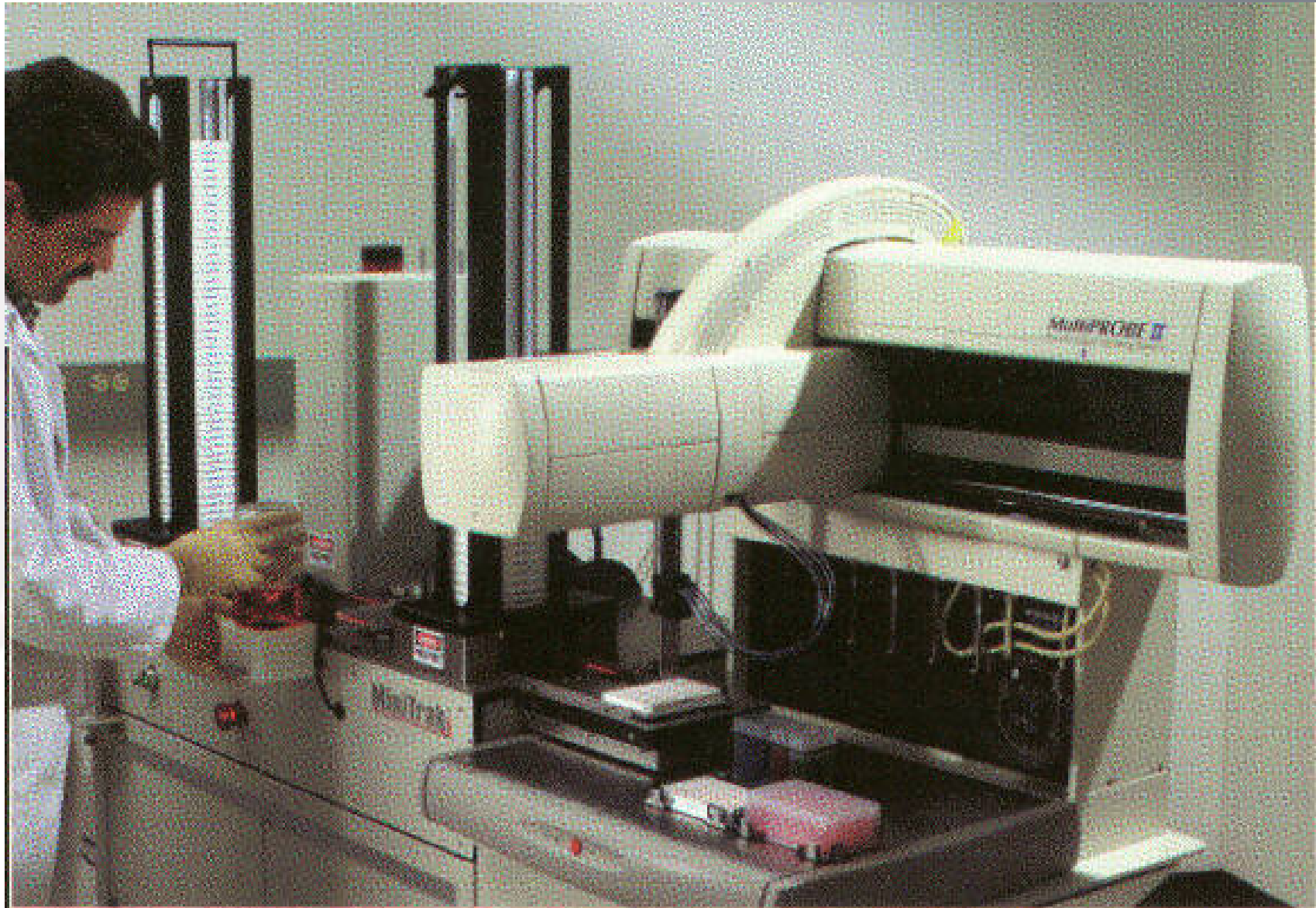
- **Solid Phase Reversible Isolation**
- **Non-specific isolation of polynucleotides**
- **Isolation based on size**
- **Isolation applications for**
  - DNA
  - RNA
  - PNA

# Sera-Mag™ Magnetic Carboxyl

Patented SPRI Process 5,898,071



# SPRI – solid phase reversible isolation



# **Sera-Mag™ Magnetic Carboxyl**

*Patented SPRI Process 5,898,071*



- **dsDNA from plasmids**
- **dsDNA from cosmids**
- **ssDNA from clones**
- **DNA isolation from gels**

# **Sera-Mag™ Magnetic Carboxyl**

*Patented SPRI Process 5,898,071*



- **Advantages over silica**
  - **better performance**
  - **better yield**
  - **cleaner preparations**
  - **lower non-specific binding**

# Magnetic-Based Isolation Systems

## *SPRI Applications*



- **Whitehead Institute**
- **Joint Genome Institute**
- **Curagen**
- **Lawrence Livermore**
- **Los Alamos**
- **Washington University**
- **Agencourt**
- **Packard**
- **University of Utah**

# **Microparticle & OEM Reagent Capabilities**



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# SPRI Methods Technology



**Contact Agencourt Bioscience at:**

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Suite 2450  
Beverly, MA 01915 USA**

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**Fax: 978-867-2601**

**E-mail: [info@agencourt.com](mailto:info@agencourt.com)**

**Web: [www.agencourt.com](http://www.agencourt.com)**

# Benefits to Seradyn Partners



- **Partnership Philosophy**
- **Enhanced Technical Capacity**
- **Future Technology Enhancements**
- **Supply Consistency**
- **Fast Turnaround Time**
- **Reduced Costs**
- **Financially secure**
- **FDA-registered, ISO 13485 certified**





**Thank You  
Very Much!**