RECEPTORS LLC

SMART MATERIALS™
powered by
ACTIVEcapture™ TECHNOLOGY

Filling the Critical Gap:
Microbe Capture for Disinfection

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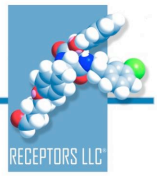
RECEPTORS LLC
STRATEGIC FOUNDATION



- PLATFORM TECHNOLOGY
  Combinatorial Artificial Receptor Array (CARA™)

- FLAGSHIP PATENT
  USPTO Patent No. 7,504,364 17 march 2009
  Methods of Making Arrays and Artificial Receptors

- PEER-REVIEWED PUBLICATION
  Weller Roska et.al.
  Small Molecule Based Binding Environments: Combinatorial Construction for Multiplexed Affinity Screening
  J. Am. Chem. Soc., **2009**, *131* (46), pp 16660–16662

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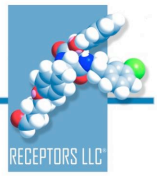
RECEPTORS LLC
TECHNOLOGY FOUNDATION



- CARA™ AFFINITY by DESIGN™ PLATFORM TECHNOLOGY

- **PROBLEM:** CREATE A PLATFORM SOLUTION FOR THE SELECTIVE MODIFICATION OF ANY SURFACE.

- **SOLUTION:** OUR SMART MATERIALS™ SURFACE MODIFICATION CHEMISTRY THAT CREATES SELECTIVE SURFACES FOR APPLICATION TO SIMPLE, SCALABLE AND STABLE PRODUCTS BASED ON ACTIVEcapture™ TECHNOLOGY.

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PATH:
TECHNOLOGY to PRODUCTS

CARA™ AFFINITY by DESIGN™ TECHNOLOGY

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SMART SURFACES™

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ACTIVEcapture™ MATERIALS

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PRODUCTS & MARKETS

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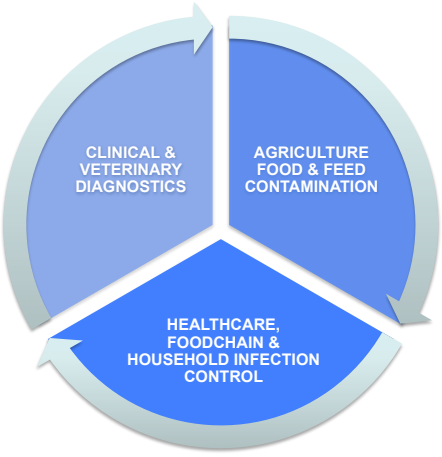
ACTIVEcapture™ MARKETS



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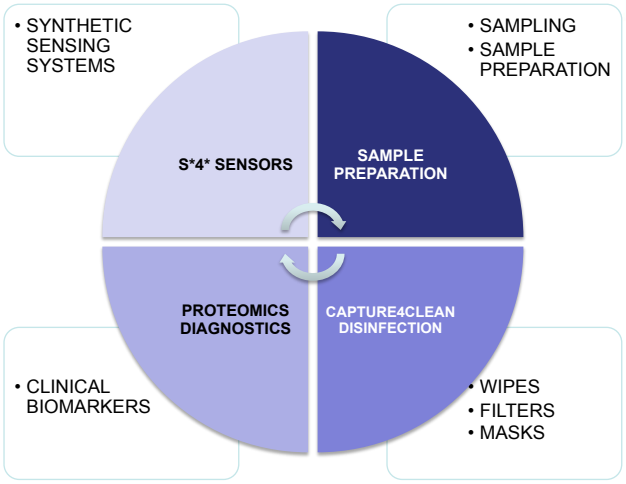
ACTIVEcapture™ Materials:
Product Applications



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CAPTURE for DISINFECTION APPLICATION

I. RECEPTORS' Technology and Markets [Slide 2-7]

II. Microbe Capture for Disinfection [Slide 8-12]

III. Product Opportunities [Slide 13-15]

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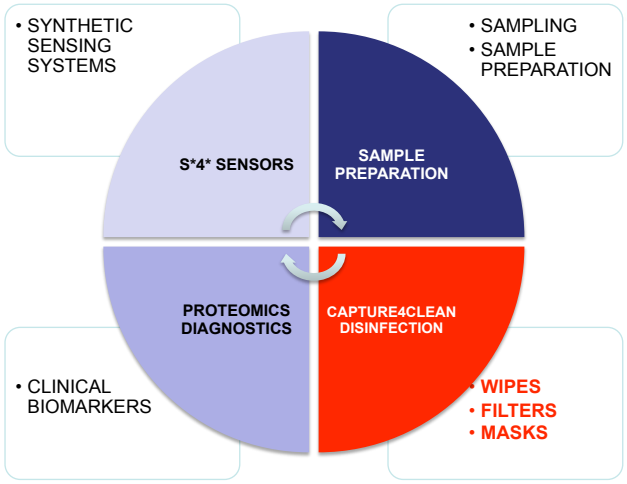
CAPTURE for DISINFECTION APPLICATION



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ACTIVEcapture™ APPLICATIONS MICROBE CONTAMINATION and CONTROL

SMART MATERIALS™
powered by
ACTIVEcapture™ TECHNOLOGY

Bacteria and viruses are a serious healthcare, agriculture and household problem. RECEPTORS' AFFINITY by DESIGN™ SMART MATERIALS™ address the three critical areas of microbe contamination and infection control: detection, disinfection and prevention. Our market focused products are:

* **sampling and sample preparation for detection and diagnostics,**
* **capture and cleaning for disinfection, and**
* **antimicrobial surfaces for prevention.**

RECEPTORS' SMART MATERIALS™ address the economic, environmental and health costs of bacterial and viral contamination through the application of our simple and cost effective CARA™ technology. Our ACTIVEcapture™ products bridge the critical cost versus efficiency market gap.

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ACTIVEcapture™ DISINFECTION

- **Capture for Surface Disinfection:** wipes and pads modified with ACTIVEcapture™ technology for disinfection through microbial capture from food processing, clinical and home surfaces.
- **Capture for Air and Water Disinfection:** loose weave and non-woven materials for air or water disinfection through microbe capture.
- **Personal Protection Masks:** EASYbreathe™ masks, for example for surgical suite use, that capture microbe contamination.

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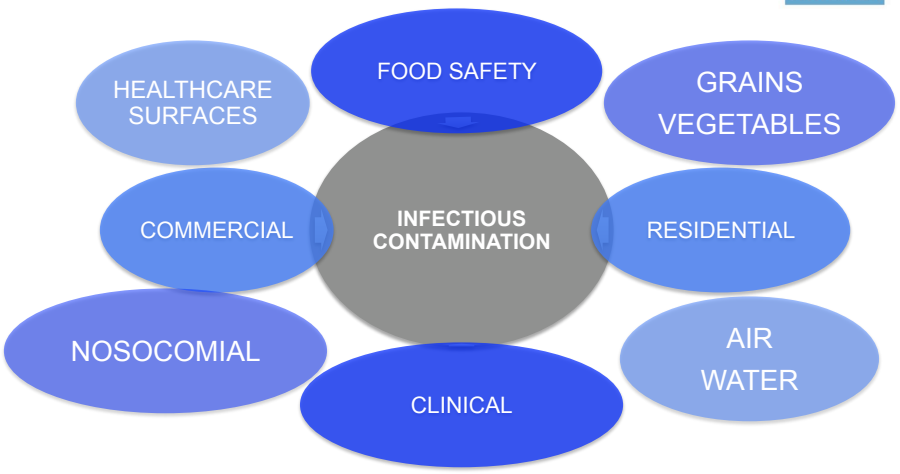
ACTIVEcapture™ Diverse SAMPLES and APPLICATIONS



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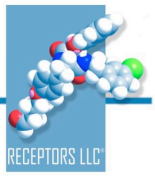
ACTIVEcapture™ DISINFECTION PRODUCTS



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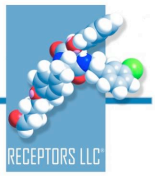
ACTIVEcapture™: Available Product Opportunities



ACTIVEcapture™ prototype/pilot products available for evaluation. Please contact us to arrange samples and/or to discuss development partnerships.

- DISINFECTION SURFACE WIPES
- DISINFECTION WATER FILTRATION MEDIA
- DISINFECTION AIR FILTRATION MEDIA
- PERSONAL PROTECTION MASKS – coming soon

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TECHNOLOGY **WITH** a STRATEGY

CORE COMPETENCE:
SURFACE FUNCTIONALIZATION FOR SELECTIVE BINDING

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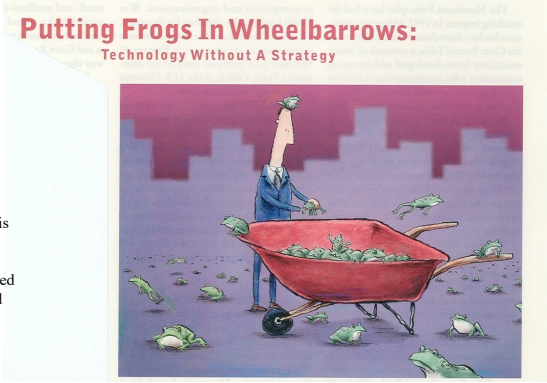
"The cruel reality is that nobody cares about technology. People are interested in applications and products."
Michael Knapp / Cambrios



Minnesota Technology Magazine

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