Your Alternative to **Chip Reagent Storage** is Ready for Integration

- **NO DELAMINATION**
- **NO REDESIGN**
- **JUST RESULTS**

The Problem:

INTEGRATION IS A BARRIER

Integrating blister technology into existing microfluidic cartridges previously meant one thing: a complete redesign. For many potential customers, this was a costly and time-consuming hurdle that delayed testing and slowed down the development process.

Our Solution:

FROM ROADBLOCK TO READY

Now you can easily integrate this new blister technology into your existing reagent cartridge. This new chip is a standalone blister that can be easily attached to an existing cartridge without requiring a redesign of your microfluidic chip to integrate our blister technology. You can begin shelf life and material compatibility testing right away without waiting for a custom cartridge design.

How it Works:

GREENER & LEANER MANUFACTURING

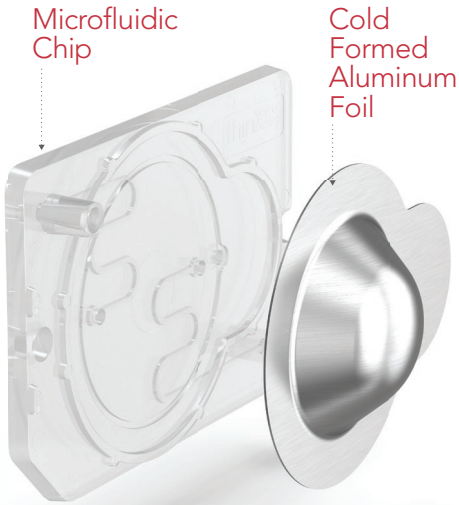
Our new thinXXS blister pack technology uses significantly fewer materials and simplifies the production process with fewer steps. It's a robust alternative for already established microfluidic cartridges with integrated wet reagent storage.

Our cold-formed aluminum foil blister pack is sealed directly onto the microfluidic chip, offering a liquid reagent storage solution that easily integrates with 3D printed parts or rapid prototyping cards. Reagents can be filled into the chip afterward, either by your team or by thinXXS.

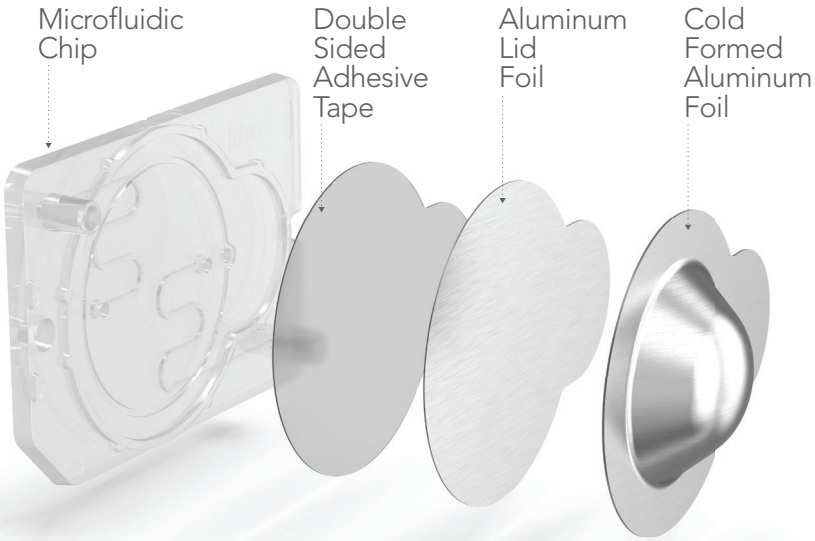
IDEX | thinXXS MICROTECHNOLOGY

Intelligent Solutions for Life®
Fluidics | Optics | Consumables | Assemblies

thinXXS Integrated Blister Solution



Standard Industry Blister



A simplified overview of the new blister pack technology from thinXXS.

Streamline Your Build

By bringing us into your initial design conversations, we can help streamline your bill of materials, resulting in cost and efficiency benefits. When the cartridge is specifically designed to integrate the blister solution, it further reduces manufacturing tolerances and lowers overall production costs.

FEATURES & BENEFITS OF MICROFLUIDIC BLISTER PACKS FOR REAGENT STORAGE

Scalable Technology	Proven technology for low- and high-volume manufacturing.
Air-Free Filled Blister Packs	No unwanted introduction of air into microfluidic system, and no impact on reagent stability.
No Delamination Possible	No risk of contamination within the instrument, making results more reliable.

Applications

- Bioprocessing
- Cell Gene Therapy
- Cell Isolation
- Flow Cytometry
- IVD
- Lab Diagnostics
- Multiplexed Molecular Assays
- Point of Care

Case Study

Discover how one customer used our technology to meet the rigorous demands of flow cytometry.

thinXXS MICROTECHNOLOGY

Connect with Our Experts to See How this Technology Fits Your Next Design, at: thinxxs.com/contact