



Preserve diagnostic test integrity to ensure accurate results

Groundbreaking Material Science Solutions
for Diagnostic Testing

Your product, actively protected™

Aptar 
CSP Technologies

Material Science Solutions to Protect Diagnostic Tests

Customized protection to maintain diagnostic test kit stability and ensure test accuracy

Diagnostic tests are a critical component of patient care, enabling health care professionals to diagnose disease and recommend appropriate treatment. In particular, the recent surge in the development of new COVID-19 test kits in tandem with pandemic-related supply chain challenges led to increased demand for solutions to improve result accuracy of critical diagnostic tests.

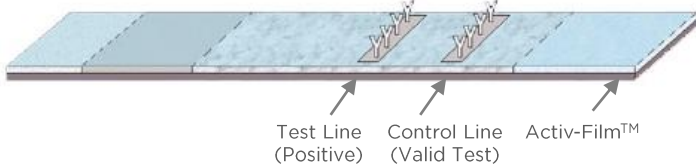
Aptar CSP Technologies' proprietary 3-Phase Activ-Polymer™ technology enables a customizable, material-science based solution that can be integrated into electrochemical, lateral flow, and molecular diagnostic test kits to protect against environmental conditions that can harm test integrity. Our range of solutions include:

Activ-Film™ Material:

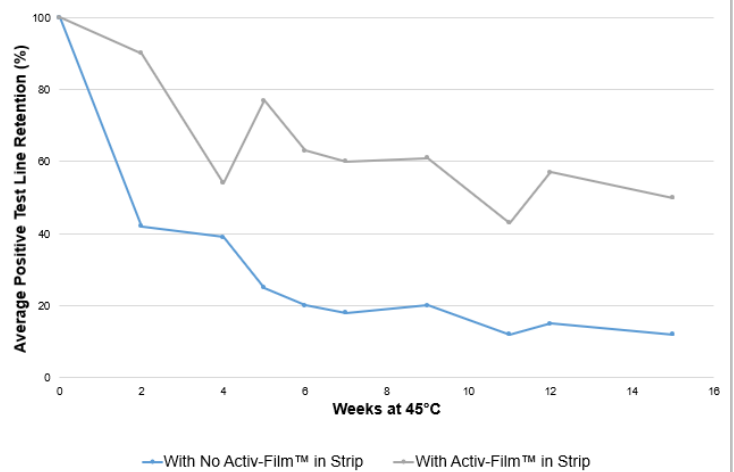
- Integrated directly into the diagnostic dipstick
- Applied to the foil pouch for individual dipstick
- Applied to foil pouch for lateral flow cassettes



Activ-Film™ applied to dipstick

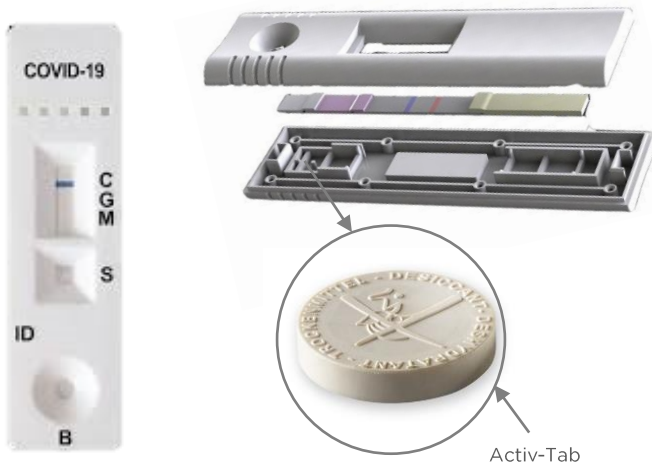


Lateral Flow Test Device Stability

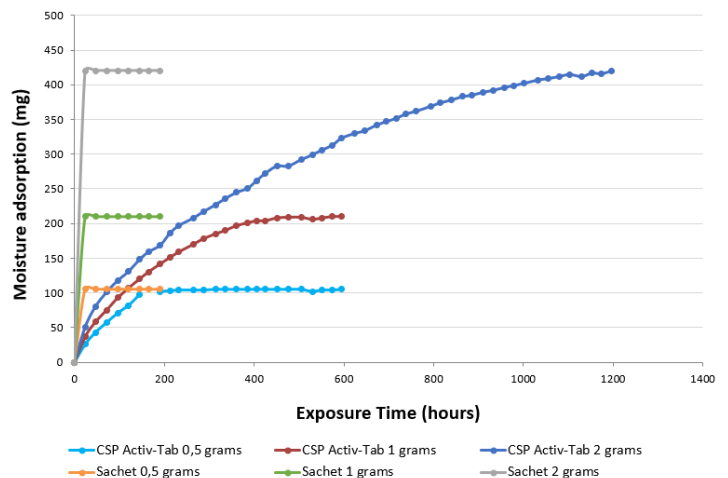


Activ-Tab: Integrated into diagnostic cassettes to provide active protection, eliminating dusting and providing sustained moisture protection for the life of the product. This streamlines manufacturing process while ensuring result accuracy.

Activ-Tab integrated into cassette



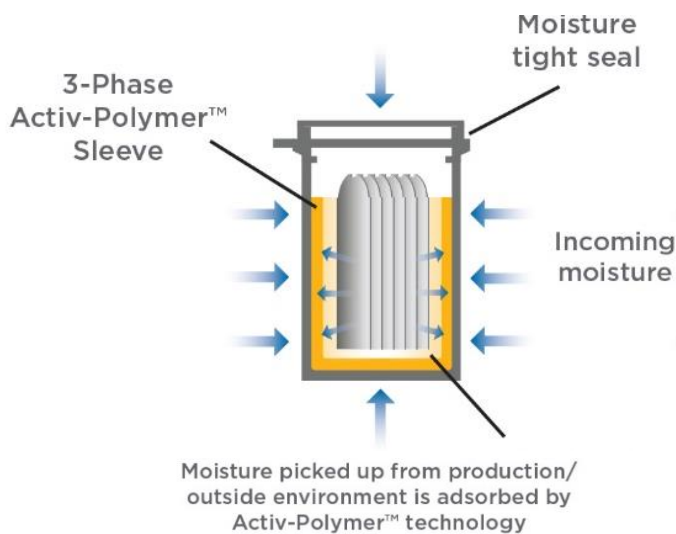
Diagnostic Device Stability Activ-Tab vs. Mini Sachets



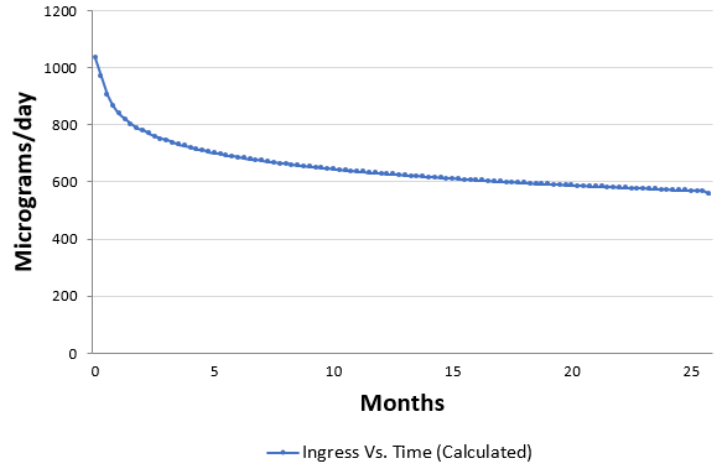
Activ-Vial™ technology: Co-molded vials with integrated 3-Phase Activ-Polymer™ technology to protect test strips in use and throughout shelf life.



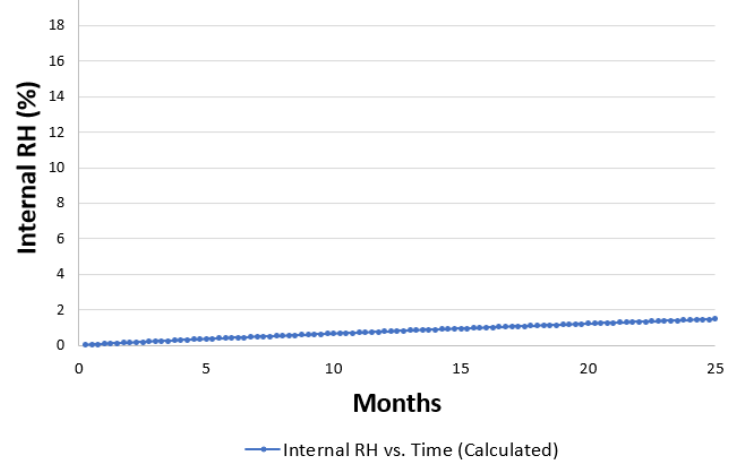
CSP™ Activ-Vial™ Portfolio



Activ-Vial™ Moisture Ingress Over Time



Activ-Vial™ Internal RH Over Time



Partnering with Aptar CSP Technologies

- **Enhanced test accuracy**
Unmatched, customized protection to adsorb moisture ensures diagnostic stability to deliver accurate test results
- **Proven material science expertise**
Our technologies are proven to solve complex stability challenges. Major leading diagnostic manufacturers use our technologies to ensure optimal diagnostic product protection.
- **Broad integration**
Aptar CSP's solutions can be fully customized and seamlessly integrated into electrochemical, lateral flow, and molecular diagnostic tests.
- **Full partner from concept to commercialization**
End-to-end development support from design to formulation development, stability, regulatory submission and market launch.

csptechnologies.com | csptechnologies.cn

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