Premixed ASTM Compliant Dye Kits & Bulk Ink

Overview

Van der Stahl Scientific offers a comprehensive suite of dye penetration testing solutions for medical device packaging, supporting both ASTM F1929 and F3039 standards. Our premixed dye kits and bulk ink options streamline integrity testing workflows while maintaining compliance with ISO 11607.

Premixed Dye Kits

Our DP-F1929 and DP-F3039 kits include:

- 75ml of premixed dye
- 20 droppers
- Laminated reference guide
- Procedure instructions

These kits eliminate the need for manual mixing, reducing variability and improving test accuracy. They are ideal for routine seal integrity testing and help identify defects with sensitivity down to 50 µm.

Bulk Premixed Dye Ink

For high-throughput environments, we offer bulk dye ink in FDA-compliant Boston bottles:

- 8oz
- 16oz
- 32oz

Bulk formats support frequent testing and reduce cost per test. The ink is ready-to-use and compatible with both ASTM F1929 and F3039 methods.

DP-F1929 Pro System

The DP-F1929 Pro Kit enables whole-pouch testing for ASTM F1929-15:

- **Seal the DP-195 pod inside your pouch**
- **Squeeze to release 4ml of dye**
- **Rotate pouch to inspect all seams**

Includes 30 premixed pods for rapid, reproducible testing.

Ink-Test Systems

Ink-Test MAX

- **Method A (ASTM F1929-23 / EN ISO 11607-1)**
- **Disposable cartridge releases 4ml dye across all four seams**
- **No pipettes required**
- **Clean, single-step testing**

Versions:

- **MAX (blue): for film/paper pouches (EN 868-3)**
- **MAX PLUS (red): for Tyvek® and PP nonwoven (EN 868-9)**

Packaged in units of 40 cartridges.

Ink-Test PRO

- **Method A (ASTM F1929-23)**
- **Classic ink test with 2ml dye per test**

Versions:

- **PRO EU (blue): for film/paper pouches**
- **PRO HDPE (red): for Tyvek® and polyolefin**

Packaged in units of 30 tests.

Ink-Test (Method C)

- **Pipette-based test for sealed seams**
- **Dye applied directly to pouch interior**

Versions:

- **Ink-Test EU (blue): for film/paper pouches**
- **Ink-Test PLUS 2.0 (red): for Tyvek® and polyolefin**
- **Ink-Test (midnight blue): for non-porous packaging (ASTM F3039-23)**

Industry Adoption

According to Packaging Digest, 80.4% of medical device packagers now use dye penetration testing. Regular testing supports ISO 11607 compliance and helps detect early seal failures that could compromise sterility.

Summary

Van der Stahl Scientific's dye penetration solutions simplify seal integrity testing, reduce operator error, and support regulatory compliance. Whether you need a quick droplet test or a full-pouch study, we offer validated tools to meet your workflow demands.

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Connecting medical device packaging to patient safety.

Call Customer Care: 800-550-3854