

OPTIMIZING OPHTHALMIC DRUG DELIVERY

> THE PROBLEM

Today's standard eyedrop bottles deliver 5x more liquid than the eye can absorb. This leads to **off-target exposure, worse side effect profiles, increased preservative exposure, unnecessary waste, and ultimately, poor patient adherence and truncated life-time value** — a decades-long problem that remained unsolved — until now.

> THE PROVEN SOLUTION

Mu Medical started with a simple mission: **Optimize topical ophthalmic drug delivery.** The flagship micro-volume delivery (MVD) product is the Nanodropper, an FDA-listed adaptor that dispenses 10 - 15uL droplets. It has since been validated through 5 randomized controlled trials and is now trusted by tens of thousands of patients, clinicians, and payors across the U.S., Canada, and Korea to enhance market access, minimize side effects, and improve comfort.

> THE NEXT STEP FORWARD

With proven success in the market, we have expanded our product offerings to directly support pharmaceutical innovators. Our turnkey MVD devices integrate seamlessly into novel drug development programs, helping partners unlock greater clinical and commercial value from day one.

By adopting MVD technology early, you can:

Elevate the patient experience: Improve comfort, safety, tolerability and adherence by delivering the optimal dose every time.

Maximize therapeutic potential: Reduce off-target exposure to enhance efficacy and tolerability.

Drive operational efficiency: Cut material waste and lower cost per unit throughout the supply chain.

Together, we can transform topical ophthalmic delivery, aligning patient needs with manufacturer goals to create longer-lasting impact across the entire value chain.

PRIMARY PACKAGING MVD SOLUTIONS



MuPACK

OEM tip for Gerresheimer Ophthalmic Plus bottles. Custom solutions available for other traditional 3-piece squeeze-type bottle configurations.



MuVEYE

Custom unit dose/single-use blow-fill-seal packaging. Compatible with preservative-free formulations.



MuMIST

Tech-enabled, cartridge-based, horizontal drug delivery system leveraging VuTRACK monitoring. Compatible with preservative-free & temperature-sensitive formulations.



VuTRACK

Optical-based true adherence tracking system for all micro-volume delivery devices. Powered by AI with live on-target feedback and data output.



Contact BD@nanodropper.com or call (507) 405-5676 Ext.4 for more information. Visit mumedical.com/OEM to explore our MVD products.

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