

# Corning® 384 Low Volume Microplates

Beyond the Standard



Life  
Sciences

NEW

## Introducing Corning's answer for:

- ▶ Decreasing Costs
- ▶ Reducing time to Market
- ▶ Maintaining current level of performance

## The 384 Low Volume Microplate is an ideal solution

In today's biotech market when pharmaceutical companies have to find ways of screening more compounds against an ever-increasing number of targets in a shorter amount of time.

## Corning... Beyond the Competition.

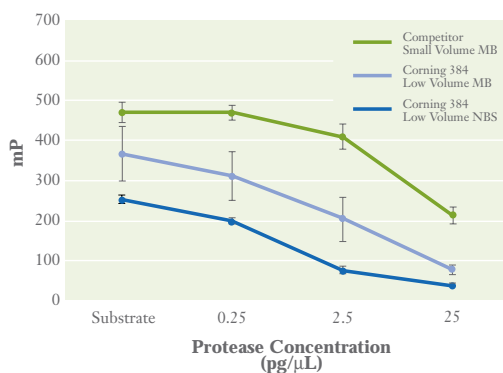
- ▶ Square to round wells for easier access and imaging
- ▶ 35uL well volume (2 to 20  $\mu$ L working)
- ▶ Round bottom for better liquid recovery
- ▶ No air entrapment
- ▶ No wicking
- ▶ Proprietary Surface Technology Available (NBS™ – Non Binding Surface)

## Corning® 384 Low Volume Microplates: Perfect for a Wide Variety of HTS Applications

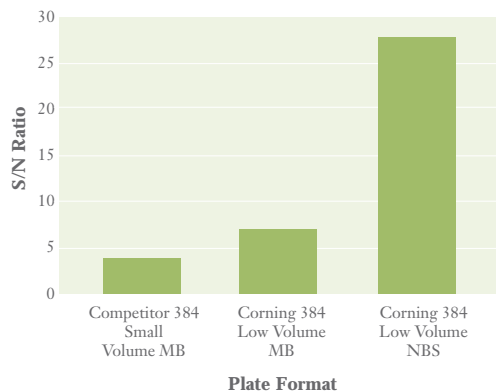
- ▶ TR-FRET
- ▶ HEFP
- ▶ Receptor Binding

With NBS™ coating:

- ▶ Fluorescence Polarization
- ▶ Scintillation Proximity Assay (SPA)
- ▶ Any assay requiring an enhanced signal-to-noise ratio



**Figure 1. FP on 384-well Low Volume Assay Plates versus Competitor.** 10 minutes fluorescence polarization (FP) assay using 20 μL. Lower mP indicates higher FP assay sensitivity.



**Figure 2. FP assay Signal-to-Noise (S/N) Ratio: Corning 384 LV versus Competitor SV.** Experiment: Fluorescence Polarization (FP) assay using *Streptomyces griseus* protease and substrate (10 μL).

## Features and Benefits

- ▶ Raised well bottom for higher sensitivity
- ▶ 35 uL maximum volume, up to 20 μL working volume to reduce reagent costs
- ▶ Assay volume to 1536 level without need of new instrumentation
- ▶ Raised rim for better sealing
- ▶ NBS coating provides a working volume from 2 μL to 10 μL for increased signal-to-noise ratio
- ▶ NBS coating significantly reduces protein and nucleic acid binding to polymers
- ▶ NBS coating stable with aqueous solutions containing Ethanol, isopropyl alcohol, DMSO, SDS, and 10M urea

## Corning 384 Well Low Volume Microplates Ordering Information

Cat. No.	Description	Qty/ Pack	Qty/ Case
3676	384 Well microplate, black, round bottom, NBS coating, no lid	25	100
3677	384 well microplate, black, round bottom, medium binding, no lid	25	100
3673	384 well microplate white, round bottom, NBS coating, no lid	25	100
3674	384 well microplate white, round bottom, medium binding, no lid	25	100

