

## TECHNICAL INFORMATION

# ImmunO™

Catalog Number: 642771  
**Micro - Ouchterlony Plates**

**Contents:** 5 plates - 4 ouchterlony patterns each.

**Description:** Each MP immunodiffusion plate contains 8 ouchterlony patterns consisting of a center well and 6 outer wells.

The high quality immunodiffusion grade agarose contains 5% PEG which greatly enhances the sensitivity of the immunodiffusion assay. The plates contain 1.2% agarose (buffer - PBS with 0.1% sodium azide and 0.01% merthiolate). The maximum sample volume is 10 ul in any of the wells.

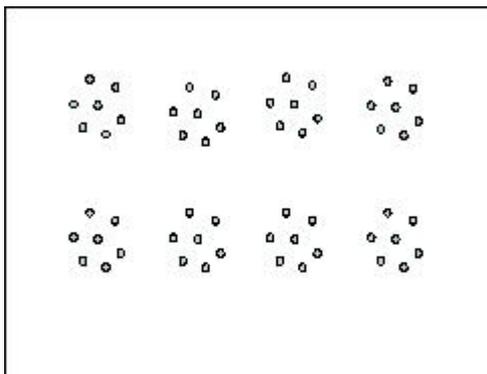
The MP ouchterlony plate is designed for specific but low affinity antisera. Such antisera require properly spaced wells and polyethylene glycol in the agarose for optimal immuno-precipitation. The plates are prepared especially for the MP polyclonal antisera to human IgG subclasses. When using these antisera for typing immunoglobulin subclasses in patients with myeloma, the sera must be diluted so that the background IgG does not produce visible precipitation. The following table indicates the serum dilutions at which normal samples are unlikely to give immuno-precipitation lines. The potential myeloma samples must be applied at these or greater dilutions depending upon their approximate concentrations as determined from total protein estimations. Typically dilutions of 1:600 to 1:16,000 are required. In addition, unless very high concentration myelomas are appropriately diluted they are likely to interfere with neighboring wells making interpretation difficult.

### Application of Antisera and Samples:

Human Antibody Application Minimum dil. Dil. of Normal Application  
Subclass Code Volume Myeloma Ser. Serum Control Volume

IgG164-310-1	10 ul	1:1,200	1:300	10 ul
IgG264-311-1	10 ul	1:320	1:100	10 ul
IgG364-312-1	10 ul	1:80	1:20	10 ul
IgG464-313-1	10 ul	1:80	1:20	10 ul

**Storage and Stability:** The plates have a shelf life of one year when stored at 2-8°C sealed in the original packet. Once opened the plate should be used as quickly as possible. If only some of the wells are used, a divider should be used or the used gel section removed to prevent spurious precipitin lines from encroaching upon adjacent ouchterlony patterns. The plates can be stored right side up at 2-8°C for up to two weeks if care is taken to avoid microbial contamination. Do Not Freeze.



**Note:** This product may contain a preservative such as sodium azide, thimerosal or proclin. Please see lot specific chemical

credential for preservative information.