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## Low Cost Optical Cells for Color Measurement Spectrophotometers

SGI's low cost optical cell is perfect for colorimeter test spectrophotometers in the 400 to 700 nm spectral range. The SGI optical cells manufactured from mandrel formed borosilicate rectangular tubing. All sides are fused, not glued, allowing the cell to be used with solvents, acids or air sensitive chemicals which attack epoxies in glued cells.

Virgin Teflon lids, screw threads with Teflon lined caps or glass stoppered tops for air sensitive materials are available. These low cost cells offer highly reproducible and repeatable results from cell lot to cell lot, but at an economical price.

The sizes listed below are a small sample of the sizes available. Just contact SGI for your custom size, application or closure.

**All of the below listed cells can have opposing sides optically polished to improve reproducibility from cell to cell. For optical polishing of each cell and add a "GP" suffix to the part number.**

| Stock No.  | Size<br>D x W x H<br>ID in mm | Closure Type                      | Stock No.      | Size<br>D x W x H<br>ID in mm | Closure Type                  |
|------------|-------------------------------|-----------------------------------|----------------|-------------------------------|-------------------------------|
| 29260-0010 | 10 x 40 x 40                  | Open Cell                         | 29260-0033     | 20 x 40                       | Teflon lid only               |
| 29260-0011 | 10 x 40 x 40                  | 6 cells or more                   | 26260-0035     | 20 x 40 x 50                  | Cell with screw thread        |
| 29260-0015 | 10 x 40                       | Teflon lid only                   | 29260-0037     | 20 x 40 x 50                  | Cell with #13 Stoppered Top   |
| 29260-0020 | 10 x 40 x 50                  | Open cell, no top                 | 23001-13       | #13 PTFE Stopper Only         |                               |
| 29260-0021 | 10 x 40 x 50                  | 6 Cells or more                   | 29260-0039     | 20 x 40 x 80                  | Cell with Open Top            |
| 29260-0025 | 10 x 40 x 50                  | #13 Stoppered Top                 | 26260-0043     | 20 x 40 x 100                 | Cell with Open Top            |
| 23000-13   |                               | #13 Penny head Pyrex stopper only | 26260-0045     | 20 x 40 x 200                 | Cell With Open Top            |
| 29260-0027 | 10 x 40 x 50                  | Threaded top with cap             | 29260-0047-SPC | 20 x 50 x 85                  | But with etched line at 55 mm |
| 29260-0029 | 20 x 40 x 75                  | Open Cell No top                  | 29260-0047     | 20 x 50 x 90                  | Cell with Open Top            |
| 29260-0030 | 20 x 40 x 50                  | Open Cell No Top                  | 29260-0050     | 50 x 50 x 50                  | Cell With Open Top            |
| 29260-0031 | 20 x 40 x 50                  | 6 of the above cell or more       | 29260-0051     | 50 x 50 x 50                  | Teflon Lid Only               |
| 29260-0040 | 20 x 50 TFE lid               | Teflon Slip                       | 29260-0075     | 50 x 50 x 75                  | Cell with Open Top            |
|            |                               |                                   | 29260-0100     | 50 x 50 x 100                 | Cell with Open Top            |