

## 1. Product: Laminin Coated Ware

SPLCoat™ offers a number of technologies optimized for enhanced cell attachment and growth of fastidious cells, (e.g., primary cells, neuronal cells, endothelial and tumor cells) which may not easily adhere to or differentiate into specialized cell types on traditional surfaces.

SPL Life Sciences provides a wide range of high-quality Laminin coated products. All Laminin coated products are produced with optically clear and high quality polymers for microscopy.



## 2. Experimental condition

- 1) Cell line: NG108-15(mouse neuroblastoma and rat glioma hybrid cell)
- 2) Media: 10% serum in DMEM(without sodium pyruvate)
- 3) Culture condition: 37°C, 5% CO<sub>2</sub>

## 3. Results



Control (non-coated)



SPL Laminin coated ware

Figure 1. Microscopic observation of cultured cell

## 4. Conclusion

SPL Laminin coated ware showed typical neuronal morphology and more prolonged neurite outgrowth through the enhanced cell-surface adhesion when compared to the non-coated control product.

## 5. Ordering Information

| Cat. No.     | Material | Type/<br>style | External Dimension<br>(mm) | Internal/well<br>Dimension<br>(mm) | Growth<br>Area (cm <sup>2</sup> ) | Working<br>Volume (ml) | External<br>Grip | Packaging |
|--------------|----------|----------------|----------------------------|------------------------------------|-----------------------------------|------------------------|------------------|-----------|
| <b>Flask</b> |          |                |                            |                                    |                                   |                        |                  |           |
| 77125        | PS       | Plug Cap       | -                          | -                                  | 25.00                             | 7.00                   | -                | 5 / 10    |
| 77175        | PS       | Plug Cap       | -                          | -                                  | 75.00                             | 25.00                  | -                | 5 / 10    |
| <b>Dish</b>  |          |                |                            |                                    |                                   |                        |                  |           |
| 23035        | PS       | 35.00 x 10.00  | -                          | 35.00 x 9.60                       | 9.40                              | 3.00                   | +                | 10 / 20   |
| 23060        | PS       | 60.00 x 15.00  | -                          | 52.80 x 12.80                      | 21.50                             | 5.00                   | +                | 10 / 20   |
| 23100        | PS       | 90.00 x 20.00  | -                          | 86.26 x 17.70                      | 57.50                             | 12.50                  | -                | 10 / 10   |
| 23150        | PS       | 150.00 x 25.00 | -                          | 140.20 x 23.30                     | 148.00                            | 35.00                  | -                | 5 / 5     |
| <b>Plate</b> |          |                |                            |                                    |                                   |                        |                  |           |
| 39306        | PS       | 6well          | 85.40 x 127.60 x 20.20     | 35.00 x 17.50                      | 9.60                              | 3.00                   | -                | 1 / 5     |
| 39312        | PS       | 12well         | 85.40 x 127.60 x 20.20     | 21.90 x 17.50                      | 3.80                              | 2.00                   | -                | 1 / 5     |
| 39324        | PS       | 24well         | 85.40 x 127.60 x 20.20     | 15.50 x 17.50                      | 1.90                              | 1.00                   | -                | 1 / 5     |
| 39348        | PS       | 48well         | 85.40 x 127.60 x 20.20     | 9.75 x 17.50                       | 0.75                              | 0.50                   | -                | 1 / 5     |
| 39396        | PS       | 96well         | 85.40 x 127.60 x 14.40     | 6.50 x 10.80                       | 0.33                              | 0.20                   | -                | 1 / 5     |

[www.spllifesciences.com](http://www.spllifesciences.com)

For technical assistance, contact SPL R&D Center at:

Tel: +82-31-533-4800; Fax: +82-31-533-1430; e-mail: [spl@ispl.co.kr](mailto:spl@ispl.co.kr)

To place an order, contact your local distributor or

Tel: +82-31-533-4800; Fax: +82-31-533-1430; e-mail: [business@ispl.co.kr](mailto:business@ispl.co.kr)