

**Datasheet for D110-00-0100****Rat Serum Sterile****Overview**

|                      |                                    |
|----------------------|------------------------------------|
| <b>Description:</b>  | Rat Serum (Sterile) - D110-00-0100 |
| <b>Item No.:</b>     | D110-00-0100                       |
| <b>Size:</b>         | 100 mL                             |
| <b>Applications:</b> | Other                              |
| <b>Origin:</b>       | Rat                                |

**Product Details**

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>        | Rat Serum is used as a supplement to cell culture media. Rat Serum is also suitable for use as a component of bioassays, immunoassays or enzyme assays. Rat Serum provides a broad spectrum of macromolecules, carrier proteins for lipoid substances and trace elements, attachment and spreading factors, low molecular weight nutrients, and hormones and growth factors that promote cell growth and health. Be certain to maintain Good Cell Culture Practice, and maintain sterility of cultures that require media supplementation. Rat Serum is ideal for investigators in Cancer, Immunology, and Cell Biology research. |
| <b>Synonyms:</b>          | Rat serum for cell culture, cell culture grade Rat serum, sterile serum from Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species of Origin:</b> | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

**Target Details**

|                        |                                                                               |
|------------------------|-------------------------------------------------------------------------------|
| <b>Relevant Links:</b> | <ul style="list-style-type: none"><li><a href="#">Rat Serum SDS</a></li></ul> |
|------------------------|-------------------------------------------------------------------------------|

**Application Details**

|                                |                             |
|--------------------------------|-----------------------------|
| <b>Suggested Applications:</b> | Other (Based on references) |
|--------------------------------|-----------------------------|

|                          |                               |
|--------------------------|-------------------------------|
| <b>Application Note:</b> | pH: normal                    |
|                          | Immunoelectrophoresis: normal |
|                          | Hemoglobin: normal            |
|                          | IgG Concentration: normal     |

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| <b>Assay Dilutions:</b> | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
|-------------------------|-------------------------------------------------------------------------------------------------|

## Tissue Data

|                     |             |
|---------------------|-------------|
| <b>Tissue Type:</b> | Serum       |
| <b>Sex:</b>         | Mixed       |
| <b>Strain:</b>      | Rat - Mixed |

## Formulation

|                        |                           |
|------------------------|---------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered) |
| <b>Concentration:</b>  | 100mg/ml by Refractometry |
| <b>Buffer:</b>         | None                      |
| <b>Sterility:</b>      | Sterile                   |
| <b>Preservative:</b>   | None                      |
| <b>Stabilizer:</b>     | None                      |

## Shipping & Handling

|                            |                                                                                                                                                     |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shipping Condition:</b> | Dry Ice                                                                                                                                             |
| <b>Storage Condition:</b>  | Store container at -20° C prior to opening. Avoid cycles of freezing and thawing. Use aseptic technique to maintain sterility when opening product. |
| <b>Expiration:</b>         | Expiration date is one (1) year from date of receipt.                                                                                               |

## References

- Lin, JY et al. High Tidal Volume Induces Mitochondria Damage and Releases Mitochondrial DNA to Aggravate the Ventilator-Induced Lung Injury. *Frontiers in Immunology* (2018)
- Ejzenberg R et al. Hemolytic efficiency of cell-bound IgM: evidence that IgM-C1 complexes activate C4 molecules not hemolytic with homologous C2--C9. *J Immunol.* (1982)

## Disclaimer

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