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Datasheet for D102-00-0050

# Chicken Serum Sterile

## Overview

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|---|---|
| **Description:** | Chicken Serum (Sterile) - D102-00-0050 |
| **Item No.:** | D102-00-0050 |
| **Size:** | 50 mL |
| **Applications:** | IHC |
| **Origin:** | Chicken |

## Product Details

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|---|---|
| **Background:** | Chicken Serum is used as a supplement to cell culture media. Chicken 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. Chicken Serum is ideal for investigators in Cancer and Cell Biology. |
| **Synonyms:** | Chicken serum for cell culture, cell culture grade chicken serum, sterile serum from chicken |
| **Species of Origin:** | Chicken |

## Target Details

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| **Purity/Specificity:** | Chicken Serum was prepared by removal of fibrinogen through clot formation. Chicken Serum was separated from cellular components and purified through centrifugation and filtration techniques. Assay by immunoelectrophoresis resulted in multiple precipitin arcs against anti-Chicken Serum. Chicken Serum was sterilized using a 0.22 micron filter and found to be negative for bacterial growth after incubation on trypticase soy agar for 24 hours, 48 hours, and 72 hours. |

## Application Details

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| **Suggested Applications:** | IHC (Based on references) |

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| **Application Note:** | pH: normal<br><br>Immunoelectrophoresis: normal<br><br>Hemoglobin: normal<br><br>IgG Concentration: normal |
| **Assay Dilutions:** | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |

## Tissue Data

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| **Tissue Type:** | Serum |
| **Sex:** | Mixed |
| **Strain:** | Chicken - Mixed |

## Formulation

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| **Physical State:** | Liquid (sterile filtered) |
| **Concentration:** | 95 mg/mL by Refractometry |
| **Buffer:** | None |
| **Sterility:** | Sterile |
| **Preservative:** | None |
| **Stabilizer:** | None |

## Shipping & Handling

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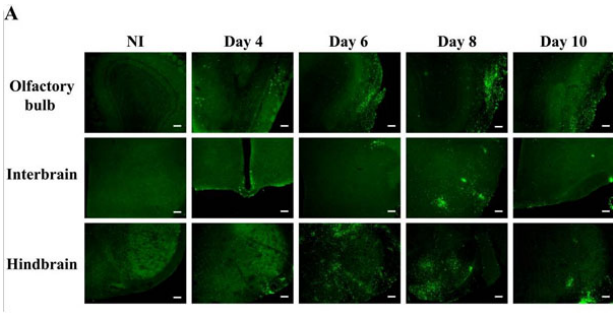
| **Shipping Condition:** | Dry Ice |
| **Storage Condition:** | Store container at -20° C prior to opening. Avoid cycles of freezing and thawing. Use aseptic technique to maintain sterility when opening product. |
| **Expiration:** | Expiration date is one (1) year from date of receipt. |

## Images




**Immunohistochemistry**
Intranasal infection with HSV-1 induces blood leukocytes infiltration in the CNS of chimeric C57BL/6 mice. Representative micrographs illustrating the localization of GFP+ infiltrating cells in the olfactory bulb, the interbrain and the hindbrain of GFP+/-→WT mice. Sixteen week-old chimeric mice were infected with HSV-1 by the intranasal route and sacrificed prior to (negative control) and on days 4, 6, 8 and 10 post-infection (5 mice per group). Free-floating sections were washed 3 times for 15 min in potassium PBS (KPBS) and incubated for 30 min in KPBS containing 4% goat or chicken (p/n D102-00-0050) serum, 1% BSA and 0.4% Triton X-100. (A) Brain slices of 25-µm thick were processed for immunohistochemistry staining with a primary polyclonal goat anti-GFP and a secondary Alexa 488-conjugated chicken anti-goat antibodies (green). In non-infected mice (NI), no GFP+ cells could be found in the brain parenchyma. Following infection, peripheral leukocytes infiltrated the CNS and could be detectable mainly in the olfactory bulb, the interbrain and the hindbrain. Scale bar 100 µm. Fig 3. PMID: 26700486.

**Bottle**
Chicken Serum is used as a supplement to cell culture media. Chicken 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. Chicken Serum was prepared by removal of fibrinogen through clot formation. Chicken Serum was separated from cellular components and purified through centrifugation and filtration techniques.

## References


- Menasria R et al. Infiltration Pattern of Blood Monocytes into the Central Nervous System during Experimental Herpes Simplex Virus Encephalitis. *PloS One* (2015)
- Jordan RE et al. Antithrombin in vertebrate species: conservation of the heparin-dependent anticoagulant mechanism. *Arch Biochem Biophys.* (1983)

## Disclaimer

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