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Datasheet for R100-0050

Bovine/Calf Blood Defibrinated

Overview

Description:	Bovine/Calf Blood Defibrinated - R100-0050
Item No.:	R100-0050
Size:	50 mL
Applications:	LFA, Other
Origin:	Bovine

Product Details

Background:	Defibrinated bovine blood is aseptically collected and prepared to order from our colony of animals. Fibrin is mechanically removed during the clotting process without the presence of anticoagulants or other additives. Defibrinated bovine blood is ideal for blood agar plate preparations. Blood Agar is a general purpose enriched medium often used to grow fastidious organisms and to differentiate bacteria based on their hemolytic properties. Defibrinated bovine blood is perishable and is collected and processed upon receipt of your order.
Synonyms:	Sterile Bovine Blood Defibrinated, Sterile Calf Blood Defibrinated, Sterile Bovine/Calf Blood Defibrinated
Species of Origin:	Bovine

Application Details

Suggested Applications:	LFA, Other (Based on references)
Application Note:	Blood agar plate preparations
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Tissue Data

Tissue Type:	Blood
Sex:	Mixed

Strain:	Bovine/Calf - Mixed

Formulation

Physical State:	Liquid
Buffer:	None
Anticoagulant:	Defibrinated
Sterility:	Sterile
Preservative:	None
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store defibrinated bovine blood at 4° C prior to opening. Use aseptic technique to maintain sterility when opening product. Be advised that blood is a perishable product and exact shelf may depend on application.
Expiration:	This product MAY be stable for up to four (4) weeks if properly stored and handled.

Images

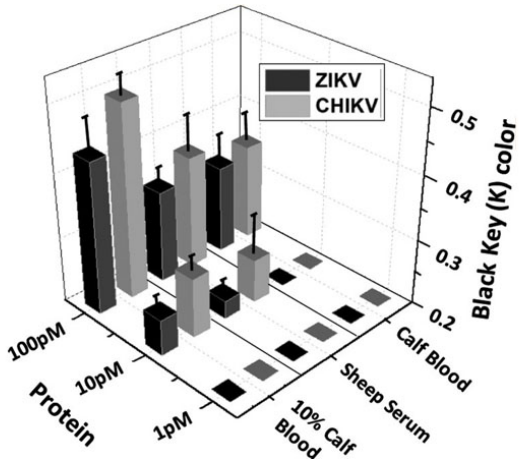

Figure
Development of silver in microfluidic channels as a function of different concentrations of ZIKV and CHIKV envelop proteins (1, 10, and 100 pM) has been represented in terms of key value (CMYK color code). No change in K values was observed in the presence of 1 pM of protein for both calf blood (p/n R100-0050) and sheep serum samples. Serum and 10% calf blood exhibited a slight color development at 10 pM of recombinant protein. In the case of 100 pM, a distinct color development was observed in all the three cases. Figure 4. PMID: 30729227.

References

- Kono R et al. Design of Polyether sulfone flat-sheet membranes for multi-layered hemodiafiltration devices. *PLoS One.* (2025)
- Taguchi Y et al. In Vitro Performance of a Long-Range Surface Plasmon Hydrogel Aptasensor for Continuous and Real-Time Vancomycin Measurement in Human Serum. *ACS Appl Mater Interfaces.* (2024)
- Nileshi Saraf et al. Multiplex Viral Detection Platform Based on a Aptamers-Integrated Microfluidic Channel. *ACS Omega.* (2019)
- Tian Y et al. A disposable blood cyanide sensor. *Anal Chim Acta.* (2013)

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.