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Datasheet for R311-0100

Sheep Blood In Alsevers

Overview

Description:	Sheep Blood in Alsevers - R311-0100
Item No.:	R311-0100
Size:	100 mL
Applications:	Functional Assay
Origin:	Sheep

Product Details

Background:	These cell suspensions are useful for the titration of complement, adsorption procedures, testing for agglutinins/HA assays, and for the preparation of stroma as particulate reagents.
Synonyms:	Sheep Whole Blood in Alsevers, Sheep RBCs, Sheep Alsevers Red Blood Cells
Species of Origin:	Sheep

Target Details

Purity/Specificity:	Sheep whole blood is aseptically collected and prepared to order from our colony of animals. Sheep red blood cells are perishable and are collected and processed upon receipt of your order.

Application Details

Suggested Applications:	Functional Assay (Based on references)
Application Note:	Washed pooled cells preparations, complement titration, adsorption procedures, HA assays and for the preparation of stroma as particulate reagents.
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:	Sheep - Mixed

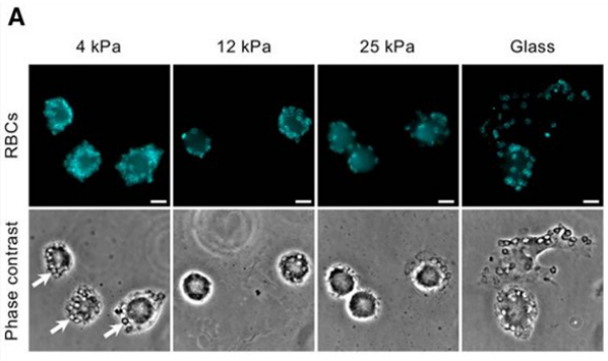
Formulation

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

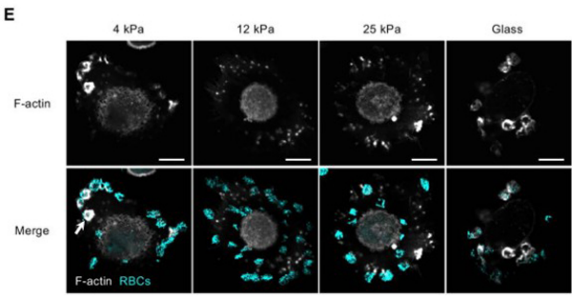
Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store sheep whole 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 life may depend on application.
Expiration:	This product MAY be stable for up to four (4) weeks if properly stored and handled.

Images



Immunofluorescence Microscopy
(A) Representative wide-field images of macrophages seeded on 4 kPa, 12 kPa, or 25 kPa hydrogels or glass and incubated with iC3b-IgM-RBCs for 15 min. Opsonized RBCs are shown in cyan in the upper panel and phase contrast images are shown in the lower panel, where phagosomes are visible (examples of phagosomes are shown by the white arrows). Scale bar, 10 µm. Fig2. PMID: 40177633.



Immunofluorescence Microscopy
(E) Representative confocal images of macrophages seeded on 4 kPa, 12 kPa, or 25 kPa hydrogels or glass and incubated with iC3b-IgM-RBCs for 2 min. F-actin is shown in gray while RBCs are shown in cyan (white arrow shows one example of an actin cup). Scale bar, 10 µm.
Fig2. PMID: 40177633.

References

- Nawaz W et al. Non-canonical NF-κB drives a fate switch from germinal center to early effector B cells. *iScience.* (2026)
- Depierre M et al. A crosstalk between adhesion and phagocytosis integrates macrophage functions into their microenvironment. *iScience.* (2025)

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