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Datasheet for R403-0050

Rabbit Red Blood Cells 10% Washed Pooled Cells

Overview

Description:	Rabbit Red Blood Cells (RBC) 10% Washed Pooled Cells - R403-0050
Item No.:	R403-0050
Size:	50 mL
Applications:	Cellular Assay
Origin:	Rabbit

Product Details

Background:	Rabbit whole blood is washed to remove the platelet rich plasma, buffy coat layer, and leukocytes (WBC). Red blood cells are supplied as a 10 percent suspension in phosphate buffered saline (PBS). Rabbit red blood cells are useful for the titration of complement, adsorption procedures, testing for agglutinins/HA assays, and for the preparation of stroma as particulate reagents. Rabbit red blood cells are perishable and are collected and processed upon receipt of your order.
Synonyms:	Rabbit Washed Pooled Cells, Rabbit WPCs, Rabbit Red Blood Cells, Rabbit RBCs, erythrocytes
Species of Origin:	Rabbit

Target Details

Relevant Links:

- R403 SDS

Application Details

Suggested Applications:	Cellular Assay (Based on references)
Application Note:	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:	Red Blood Cells
Sex:	Mixed
Strain:	Rabbit - New Zealand White

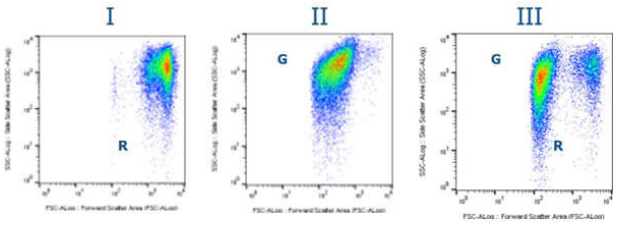
Formulation

Physical State:	Liquid
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Sterility:	Non-sterile
Preservative:	None
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store rabbit washed pooled red blood cells at 4° C prior to opening. Be advised that blood is a perishable product and exact shelf may depend on application.
Expiration:	This product MAY be stable for up to two (2) weeks if properly stored and handled.

Images



Flow Cytometry
Flow cytometry analysis of unlabeled Rabbit RBCs and Rabbit Ghost RBCs. Light-scattering analysis (FSC vs SSC) of rabbit's red blood cells and their ghosts by flow cytometry result in detection of distinct populations. I) Rabbit (R) Red blood cells only, II) Rabbit Ghost (G) red blood cells only, and III) Mixture of R and G.

References

- Gullipalli D et al. MASP3 deficiency in mice reduces but does not abrogate alternative pathway complement activity due to intrinsic pro-factor D activity. *J Immunol.* (2023)
- Ramírez-Otarola N et al. Seasonal changes in diet, immune function, and oxidative stress in three passerines inhabiting a Mediterranean climate. *Oecologia.* (2023)
- Otieno W et al. Aloe-Emodin-Mediated Photodynamic Therapy Attenuates Sepsis-Associated Toxins in Selected Gram-Positive Bacteria In Vitro. *J Microbiol Biotechnol.* (2021)
- Livingston KA et al. Retinyl palmitate does not have an adjuvant effect on the antibody response of chicks to keyhole limpet hemocyanin regardless of vitamin A status. *Poult Sci.* (2011)

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