SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for R407-0050

Human Red Blood Cells 10% Washed Pooled Cells

Overview

Description:	Human Red Blood Cells (RBC) 10% Washed Pooled Cells - R407-0050
Item No.:	R407-0050
Size:	50 mL
Applications:	Biochemical Assay
Origin:	Human

Product Details

Background:	Human 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). Human 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. Human red blood cells are perishable and are collected and processed upon receipt of your order.
Synonyms:	Human Washed Pooled Cells, Human WPCs, Human Red Blood Cells, Human RBCs, erythrocytes
Species of Origin:	Human

Application Details

Suggested Applications:	Biochemical Assay (Based on references)
Application Note:	Human whole blood cells are used for 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:	Adult

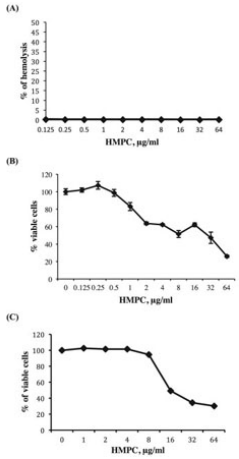
Formulation

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

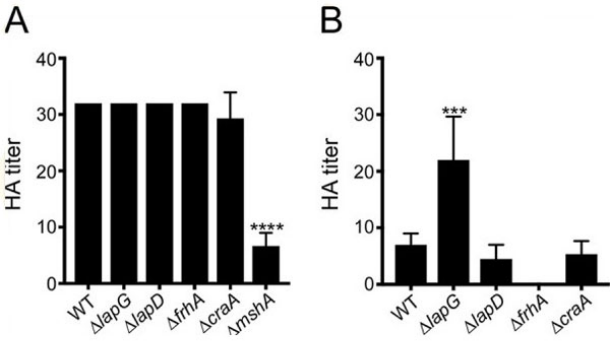
Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store human 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



Agglutination
Mammalian cell toxicity assays. (A) HMPC hemolysis assay. Red blood cells (p/n R407-0050) were diluted to 2% with PBS and then incubated with HMPC over the concentration range 0.125−64 µg/ml. (B) Cytotoxicity of HMPC towards HKC-8 cells. HKC-8 cells were treated with increasing concentrations of HMPC for 24 hours before assessing viability using a WST-1 assay. (C) Cytotoxicity of HMPC towards HepG2 cells. HepG2 cells were treated with increasing concentrations of HMPC for 24 hours before assessing viability using a WST-1 assay. All experiments were repeated twice in triplicate and data show the mean +/− standard deviation. Figure 6. PMID: 29728636.



Agglutination
The LapDG system regulates hemagglutination. Hemagglutination assays were performed with V. cholerae O1 El Tor A1552 (A) or O1 classical O395 (B) strains. Either wild-type (WT) or indicated deletion mutants were used. The reciprocal of the lowest fold dilution (hemagglutinin [HA] titer) at which cells were able to agglutinate red blood cells was recorded. The graphs represent the means and standard deviations of HA titers from at least three biological replicates. One-way ANOVA and Dunnett's multiple-comparison test were used to compare the mean of each mutant to WT. Mean differences with a P value of ≤0.05 were deemed significant. ***, P ≤ 0.001; ****, P ≤ 0.0001. FIG 7. PMID: 31796544.

References

- Kitts, G et al. A Conserved Regulatory Circuit Controls Large Adhesins in Vibrio cholerae. *MBio* (2019)
- Johnston, T et al. Propyl-5-hydroxy-3-methyl-1-phenyl-1H-pyrazole-4-carbodithioate (HMPC): a new bacteriostatic agent against methicillin-resistant Staphylococcus aureus. *Scientific Reports* (2018)

Disclaimer