



CYTOMARK

Blood Controls

Cellular Controls for Flow Cytometry

Stabilised Human Whole Blood

Instructions for Use

RUO



Product Description

Cytomark Stabilised Human Whole Blood is a stabilised preparation of human whole blood for use in research applications.

Quality control analysis is performed on a BD FACSCalibur flow cytometer with Cytognos reagents in combination with Perfect Count Microspheres using the 'lyse, no wash method'. A detailed QC statement with lot-specific ranges for the lymphocyte counts (see below) is provided in the Certificate of Analysis with this product.

Cytomark Stabilised Human Whole Blood contain stabilised levels of lymphocyte subsets that are within the following ranges:

T cells (CD3+/CD45+) 690 – 2540 cells/ μ l

T suppressor cells (CD3+CD8+/CD45+) 190 – 1140 cells/ μ l

T helper cells (CD3+CD4+/CD45+) 410 – 1590 cells/ μ l

NK cells (CD56+/CD45+) 90 – 590 cells/ μ l

B cells (CD19+/CD45+) 90 – 660 cells/ μ l

Principle and Intended Use of Stabilised Human Whole Blood

Cytomark Stabilised Human Whole Blood is manufactured using our patented CytoFix technology which stabilises leukocytic antigens for up to 3 months.

Cytomark Stabilised Human Whole Blood is commonly used for flow cytometric analysis:

- To verify the use of reagents such as conjugated monoclonal antibodies and red blood cell lysis solutions.
- To validate the performance of the instrument.
- To validate operator technique.

Procedure

1. Remove the Stabilised Human Whole Blood vial from 2-8°C storage and incubate at room temperature (18-25°C) for 15 minutes before use.
2. Mix gently by inversion for 30 seconds to ensure the cells are suspended. Do not vortex.
3. Analyse, e.g. on a flow cytometer.

N.B. Ensure that the manufacturer's instructions are followed when using the flow cytometer and related reagents.

4. After use, return to 2-8°C storage to ensure maximum open vial stability.

N.B. If lymphocyte subset values are not within the expected range, as shown on the Certificate of Analysis for the batch:

- **Review the operating procedures of the instrument.**
- **Assay an un-opened vial of Stabilised Human Whole Blood.**
- **Assess the antibody conjugates used in the panel. Cross linking of proteins may occur. We recommend that all antibody conjugates are validated prior to use. Samples of Stabilised Human Whole Blood are available on request.**

Ordering Information

Product Code	Product	Quantity
CFWB	Stabilised Human Whole Blood	1.5ml

Storage Conditions and Stability

Stabilised Human Whole Blood is stable for 3 months from the date of manufacture when stored at 2-8°C. Open vial stability is one month. **Vials must not be frozen.** A Certificate of Analysis can be provided with every Stabilised Human Whole Blood product.

Warning Statements

1. Stabilised Human Whole Blood is for research use only.
2. This product is for use as indicated and should not be used as a calibrator. Alteration by dilution will affect the values given in the accompanying Certificate of Analysis.
3. Do not use Stabilised Human Whole Blood beyond the expiration date on the box and vials.
4. Incubation times or temperatures other than those specified may give erroneous results.
5. Severe clumping of the cell suspension indicates instability or deterioration, in which case the Stabilised Human Whole Blood should not be used.
6. Use good laboratory practice (GLP) when handling this product.
7. All human source material used to manufacture this product was non-reactive for Hepatitis B, negative for antibodies to HIV (HIV-1/HIV-2) and Hepatitis C (HCV), HIV-1 RNA and HCV RNA. However, this product should be handled as if capable of transferring infection and disposed of with the proper precautions. Disposal by incineration is recommended.
8. Avoid contact of Stabilised Human Whole Blood with the skin and mucous membranes. Any contact should be washed off with cold water immediately.

Cytomark is a division of Caltag Medsystems Ltd, a company registered in the UK, company number 4162330.









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Language								
US	Research use only	Code No.	Lot	Exp. Date	Store	Biological risks	Consult Instructions for use	Manufacturer
GB	Research use only	Cat. No.	Lot	Exp. Date	Storage	Biological risks	Consult Instructions for use	Manufacturer
D	Forschung verwenden Sie nur	Kat. Nr.	Ch-B	Verw. bis	Lagerung	Biogefährdung	Beachten Sie die Gebrauchsanleitung	Hersteller
F	Recherche uniquement	Référence	N ^o de Lot	Date de péremption	Stockage	Risques biologiques	Suivre les instructions d'utilisation	Fabricant
ES	La investigación sólo utilizar	No. De. Cat.	N ^o Lot	Caducidad	Almacenaje	Riesgos biológicos	Consultar las instrucciones de uso	Fabricante
PT	Uso da pesquisa somente	Referencia	N ^o De Lot	Validade	Armazenar	Riscos biológicos	Consulte instruções de utilização	Fabricante
I	Utilizzare solo la ricerca	Codice	Lotto N ^o	Scadenza	Conservare	Rischi biologici	Vedere le istruzioni per l'uso	Fabbricante
GR	Έρευνα χρησιμοποιοῦν μόνο	Κωδικός Αριθμός	Αριθμός Ποσότητος	Ημερομηνία Αιτίας	Αποθήκευση	Βιολογικοί κίνδυνοι	Συμβουλευτείτε τις οδηγίες χρήσης	Κατασκευαστής
PL	Badania używać tylko	Nr katalogowy	Lot	Termin ważności	Przechowywanie	Zagrożenie biologiczne	Odwolaj się do instrukcji obsługi	Producent
CZ	Výzkum používejte pouze	Kód	Šarže	Expirace	Skladování	Biologická rizika	Nahledněte do návodu k použití	Výrobce