

AcroMetrix™ BCR-ABL Panel

Not for Clinical Use.

REF 956980 AcroMetrix BCR-ABL Panel Kit

Intended Use

AcroMetrix™ BCR-ABL Panel is intended for being used as an external control panel for analytical evaluation of BCR-ABL test methods. The product is not intended for clinical use.

Summary and Explanation

AcroMetrix BCR-ABL Panel includes 5 panel members. The product contains lyophilized human cell lines K-562 (BCR-ABL e14a2 fusion gene positive) cells and HL-60 (BCR-ABL negative) cells mixed at different ratios. Each vial contains approximately 1×10^6 cells.

AcroMetrix BCR-ABL Panel is traceable to international standard (IS) and is manufactured using similar approaches to the 1st World Health Organization International Genetic Reference Panel for Quantitation of BCR-ABL Translocation by RQ-PCR (WHO Primary Reference Panel NIBSC 09/138) (White et al., 2010)

Contents and Traceability

| Catalog Number | Product Name | Quantity |
|----------------|---------------|-----------------|
| 956980 | BCR-ABL Panel | 1 vial each x 5 |

| Panel Member | Targeted Value ¹⁵ |
|--------------|------------------------------|
| Panel A | 10% BCR-ABL/ABL |
| Panel B | 1% BCR-ABL/ABL |
| Panel C | 0.1% BCR-ABL/ABL |
| Panel D | 0.01% BCR-ABL/ABL |
| Panel E | 0.0032% BCR-ABL/ABL |

Warnings and Precautions

AcroMetrix BCR-ABL panel contains biological material of human origin. As with all the samples of biological origin, AcroMetrix BCR-ABL Panel should be handled and discarded according to guidelines issued by your institution's health, safety and environment office.

AcroMetrix BCR-ABL Panel is contained in glass vials. Care should be taken during handling to avoid breakage and injuries inflicted upon by broken glass.

Instructions for Preparation

1. RNA extraction should be performed using your local standard procedures for the extraction of RNA from human blood samples.
2. Do not attempt to remove any portion of the lyophilized material from the vials prior to reconstitution.
3. Vials are single use only. Extract RNA from the entire content of each vial.
4. Vials used in the same study on the same date should be processed simultaneously.
5. Lysate of the lyophilized material should be processed immediately.
 - It is preferable to inject by RNase-free syringe the required volume of cell lysis buffer prior to opening the vials, to avoid loss of material due to pressure inside the vial.
 - Use a volume appropriate for 1×10^6 cells. Add the lysis buffer directly onto the lyophilized material inside the vial.
 - Unscrew the cap and set aside. Keep the rubber stopper on.
 - Using a syringe fitted with a needle, aspirate the desired volume of lysis buffer from its container.
 - Inject the lysis buffer through the rubber stopper.
 - Replace the cap and mix by gently inverting a few times till the lysis buffer is clear and no particulate material is visible.
 - Before opening, tap the vials gently to collect the lysed materials at the bottom of the vial.
 - Thoroughly mix by pipetting the lysis buffer up and down for at least 10 times.
 - Process the entire lysate immediately according to your local RNA extraction procedures.

Storage Condition

All vials should be stored immediately at -20°C upon receipt.

Reference

1. WHO International Standard 1st WHO International Genetic Reference Panel for quantitation of BCR-ABL translocation by RQ-PCR (NIBSC code: 09/138), Instructions for use, Version 4.0.
2. White H.E. et al, Establishment of the 1st World Health Organization International Genetic Reference Panel for quantitation of BCR-ABL mRNA. Blood, 2010; 116(22): 3111-7.

Glossary:

<http://www.thermofisher.com/symbols-glossary>



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