

K562 AZQR Cell Line

Catalogue number: 153252

Sub-type: Continuous

Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: K562 AZQR Cell Line

Alternate name:

Class:

Conjugate:

Description: The cells have been shown to contain decreased levels of glutathione and superoxoid dismutase. They are cross-resistant to adriamycin, mitzoramide, MMNG and mitomycin. Cells should be challenged with AZQ at every 4th passage at a minimum density of 100,000 cells/ml. It is recommended to cultivate the cells without drug on resuscitation.

Purpose:

Parental cell: K562

Organism: Human

Tissue: Lymphatic Tissue

Model: Tumour line

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties: Suspension

Production details: The drug resistant cell line K562 AZQ was developed from the parent K562 cell line by treatment with AZQ C215-bis (carboethoxyamino)-3, 6-diazitiny1 1;4 (benzoquinone).

Formulation:

Recommended controls:

Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target:

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:

Application notes:

Handling

Format: Frozen

Concentration:

Passage number:

Growth medium: Subculture Routine: Maintain cultures between 3-9 x 100,000 cells/ml; 5% CO₂; 37°C. Culture Medium: RPMI 1640 + 10% Foetal Bovine Serum (FBS) + 2mM Glutamine. Challenge with 1 mM AZQ every 4th passage.

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions: Dry ice

Related tools

Related tools:

References

References: Burns et al. 1994. Br J Cancer. 70(4):591-5. PMID: 7917902. ; The p53 status of cultured human premalignant oral keratinocytes. ; Chang et al. 1992. Int J Cancer. 52(6):896-902. PMID: 1459732. ; DOK, a cell line established from human dysplastic oral mucosa, shows a partially transformed non-malignant phenotype.

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