



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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**Datasheet for WM983B-01-0005****WM983B Viable Cells****Overview**

<b>Description:</b>	WM983B Viable Cells - WM983B-01-0005
<b>Item No.:</b>	WM983B-01-0005
<b>Size:</b>	5 x 1 million cells
<b>Applications:</b>	Cellular Assay, IF, Other, WB
<b>Origin:</b>	Human

**Product Details**

<b>Background:</b>	WM983B is a human metastatic melanoma cell line that was established from an inguinal node metastatic site in a 54-year-old male patient. The subject displayed malignant melanoma of polypoid type, level IV with a tumor thickness of 2.5 cm. WM983B line contains the BRAF V600E mutation that causes increased signaling via the extracellular signal-regulated MAPK/ERK kinase pathways to enhance proliferation. WM983B is wild type for PTEN, N-ras, c-KIT, and CDK4. This cell line was derived from the same patient as the cell lines WM983A, WM983B BR, and WM983C. WM983B cells produce xenograft tumors when injected into immunocompromised mice.
<b>Synonyms:</b>	Melanoma, patient derived tumor, tumor models, skin cancer, xenograft
<b>Species of Origin:</b>	Human

**Target Details**

<b>Purity/Specificity:</b>	Cells are sterile, validated by short tandem repeat profiling, and are tested as negative for mycoplasma. It is recommended that cell lines are tested for mycoplasma contamination and short tandem repeat (STR) profiling every 10 passages or each time a frozen seed stock is made. See cell culture protocol for additional details.
<b>Relevant Links:</b>	<ul style="list-style-type: none"><li>• <a href="#">Cell Line EULA</a></li><li>• <a href="#">Melanoma Cell Culture Protocol</a></li></ul>

**Application Details**

<b>Suggested Applications:</b>	Cellular Assay, IF, Other, WB (Based on references)
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<b>Application Note:</b>	The key applications of these cell lines include genetic studies, xenograft production, drug testing, and drug target discovery. These cell line models can be used in various biological assays, and for identifying critical target genes, and cell signaling pathways.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

## Cell Line Data

<b>Cell Line:</b>	Human Melanoma
<b>Product Type:</b>	Viable Cells
<b>Morphology:</b>	fibroblastic
<b>Cell Viability:</b>	Yes
<b>Stage:</b>	Metastasis
<b>BRAF:</b>	V600E
<b>CDK4:</b>	WT
<b>C-Kit:</b>	WT
<b>N-RAS:</b>	WT
<b>PTEN:</b>	WT
<b>Paired:</b>	Yes
<b>Medium:</b>	Tumor Specialized Media with 2% HI-FBS
<b>Sub-culture:</b>	Cells should be maintained between 30 – 95% confluence in tumor specialized medium with 2% FBS; split cultures 1:10 every 5-6 days using 0.25% trypsin/EDTA.
<b>Incubation:</b>	36°C with 5% CO <sub>2</sub>

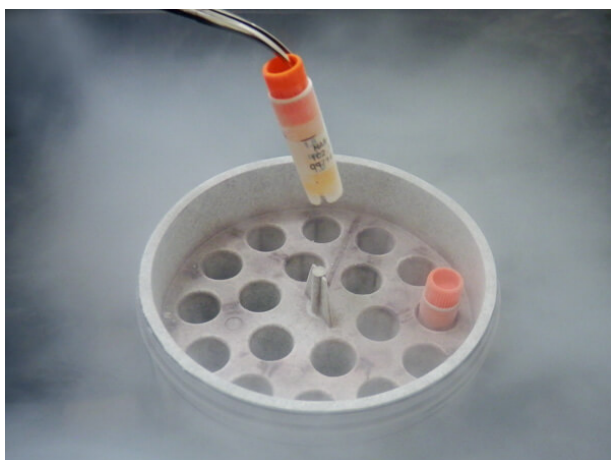
## Formulation

<b>Physical State:</b>	Frozen Cell Suspension
<b>Concentration:</b>	1.0 million cells/mL Count By Hemocytometer
<b>Buffer:</b>	None
<b>Preservative:</b>	None
<b>Stabilizer:</b>	None

## Shipping & Handling

<b>Shipping Condition:</b>	Dry Ice
<b>Storage Condition:</b>	Cells are frozen with 90% FBS/10% DMSO solution at about $5 \times 10^6$ cells/ml. Store vial in liquid nitrogen upon arrival.
<b>Expiration:</b>	Expiration date is two (2) years from date of receipt.

## Images



### Flask

Human melanoma tumor cells with known gene mutations, disease stage, STR, and RPPA profiling

## References

- Rajasekaran S, Cheng S, Gajendran N, Shekoohi S, Chesnokova L, Yu X, and Witt SN. Transcriptomic analysis of melanoma cells reveals an association of  $\alpha$ -synuclein with regulation of the inflammatory response. *Sci Rep.* (2024)
- Mousson A et al. ---Inhibiting FAK-Paxillin Interaction Reduces Migration and Invadopodia-Mediated Matrix Degradation in Metastatic Melanoma Cells. *Cancers (Basel).* (2021)
- Juraleviciute M et al. MX2 mediates establishment of interferon response profile, regulates XAF1, and can sensitize melanoma cells to targeted therapy. *Cancer Med.* (2021)
- Hanniford D et al. Epigenetic silencing of CDR1as drives IGF2BP3-mediated melanoma invasion and metastasis. *Cancer Cell.* (2021)

## Disclaimer

No test method can provide total assurance that the hepatitis B virus, hepatitis C virus, human immunodeficiency virus, or any other infectious agents are absent. Thus, all blood products, including purified proteins derived from human blood sources, should be handled at Biosafety Level 2 as recommended by the CDC\NIH manual entitled Biosafety in Microbiological and Biomedical Laboratories for potentially infectious human serum, blood specimens or proteins derived from same. Source material for the human blood product supplied to your facility has been tested for the detection of HIV antibody, Hepatitis B surface antigen, antibody to Hepatitis C, HIV 1 antigen(s), antibody to HTLV - I/II, and syphilis by FDA guidelines. All units were found to be non-reactive/negative for these tests. All human blood source material is collected in FDA licensed centers and is tested with FDA approved test kits.

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