

# Human Mesenchymal Stem Cells

Discover our broad range of human mesenchymal stem cells (hMSC), available from bone marrow, adipose tissue and umbilical cord matrix of individual donors. Specific donor information like age, sex and tissue location is available for each produced lot.



## Bone Marrow

### Human Mesenchymal Stem Cells from Bone Marrow (hMSC-BM)

Cat. No. C-12974  
cryopreserved cells

Cat. No. C-12975  
proliferating cells

Cat. No. C-14090  
cell pellet



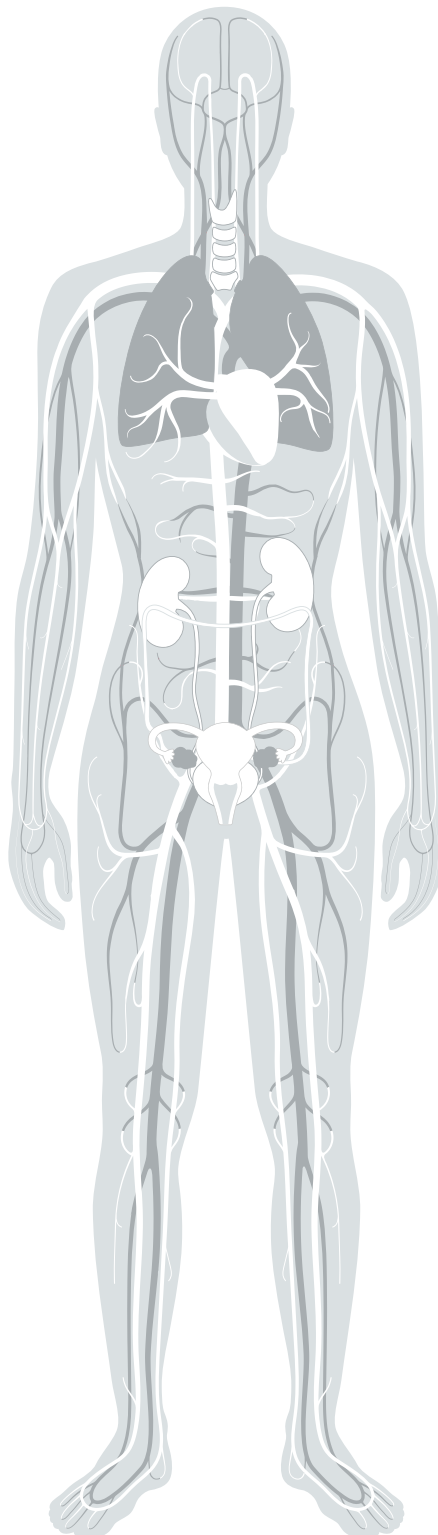
## Umbilical Cord

### Human Mesenchymal Stem Cells from Umbilical Cord Matrix (hMSC-UC)

Cat. No. C-12971  
cryopreserved cells

Cat. No. C-12972  
proliferating cells

Cat. No. C-14091  
cell pellet



## Adipose Tissue

### Human Mesenchymal Stem Cells from Adipose Tissue (hMSC-AT)

Cat. No. C-12977  
cryopreserved cells

Cat. No. C-12978  
proliferating cells

Cat. No. C-14092  
cell pellet

Positive ≥95% +	Negative ≤2% +
■ CD105 <sup>+</sup>	■ CD45 <sup>-</sup>
■ CD73 <sup>+</sup>	■ CD34 <sup>-</sup>
■ CD90 <sup>+</sup>	■ CD14 <sup>-</sup> or CD11b <sup>-</sup>
	■ CD79α <sup>-</sup> or CD19 <sup>-</sup>
	■ HLA-DR <sup>-</sup>

## MSC marker expression

According to the International Society for Cellular Therapies (ISCT) guidelines. Each lot is tested for its ability to differentiate in vitro into adipocytes, chondrocytes, and osteoblasts.

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**Discover more**

Visit: [www.promocell.com/stem-cell-research](http://www.promocell.com/stem-cell-research)

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## Contact Us

Do you need cells from a specific donor type or from an already HLA-typed donor?

Contact us and let us know your donor requirements:

[info@promocell.com](mailto:info@promocell.com)

### PromoCell GmbH

Sickingenstr. 63/65  
69126 Heidelberg  
Germany

[info@promocell.com](mailto:info@promocell.com)  
[www.promocell.com](http://www.promocell.com)

### USA/Canada

Phone: 1-866-251-2860 (toll free)  
Fax: 1-866-827-9219 (toll free)

### Deutschland

Telefon: 0800-776 66 23 (gebührenfrei)  
Fax: 0800-100 83 06 (gebührenfrei)

### France

Téléphone: 0800-90 93 32 (ligne verte)  
Téléfax: 0800-90 27 36 (ligne verte)

### United Kingdom

Phone: 0800 96 03 33 (toll free)  
Fax: 0800 169 85 54 (toll free)

### Other Countries

Phone: +49 6221-649 34 0  
Fax: +49 6221-649 34 40

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