

# ADCUs

» When there is no time, and an immediate solution is needed

## One donation gives two second chances at life

Experience has shown that the average stem cell donor produces more hematopoietic stem cells than necessary for a transplant. With the consent of the voluntary donor, these surplus cells are cryopreserved during apheresis for a specific recipient. **It is not necessary to carry out additional administration of G-CSF, nor is an extra day of collection required.** The additionally collected Adult Donor Cryopreserved Units (ADCUs) are stored in the DKMS Stem Cell Bank and made **available to another patient via the DKMS Registry** or the local stem cell donor registry on request by the transplant center.

Once the request has been received, it usually takes **three working days from preparation to shipment** - in contrast to several weeks to prepare a donor for apheresis. This can be a life-saving period for a patient in need of an urgent transplantation.

### Probability of availability of ADCUs depending on anticipated matching grade

TC with 50 TX per year, based on a search request for Caucasians



already available for > 80 % of patients at a matching grade of 5/10

77% of transplants suitable for patients > 70 kg

high-res typed for HLA + CCR5 & CMV-IgG antibody tested

up to 1.025x10<sup>6</sup> CD34+/CD45+ cells pre-freeze

## How we choose the right donors for cryopreservation

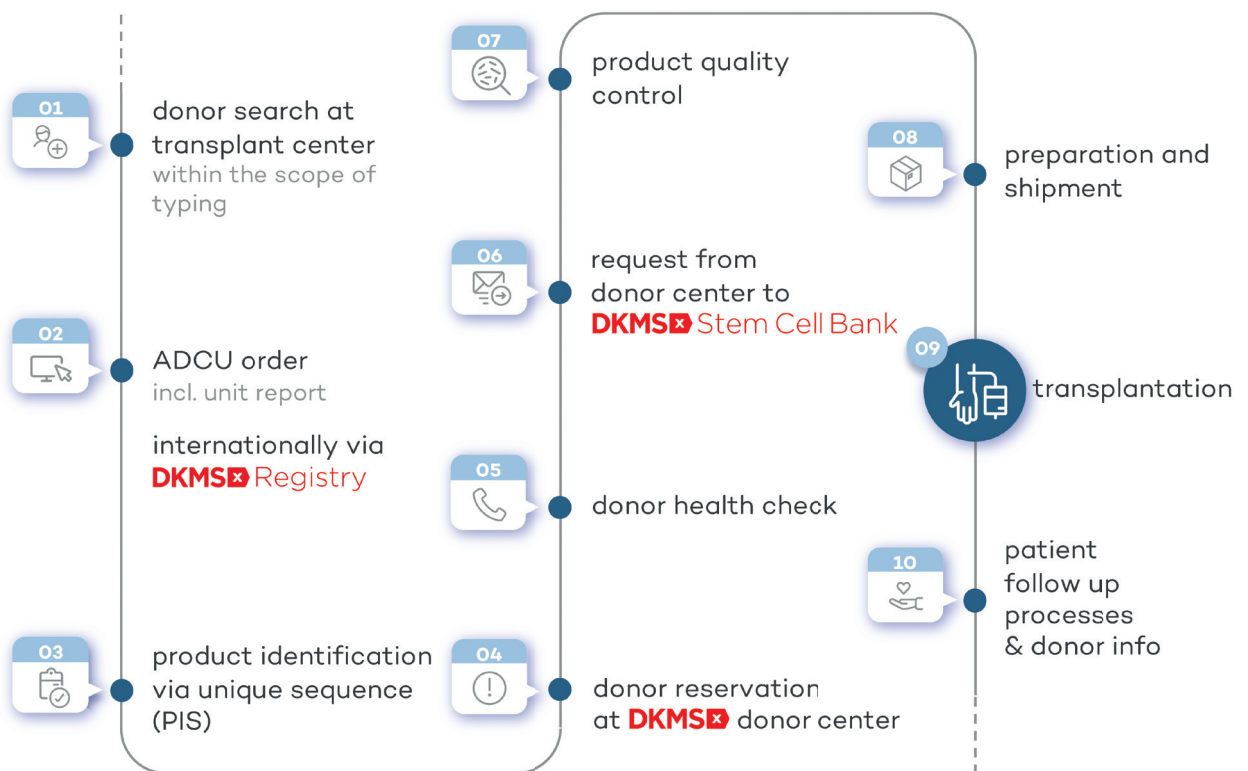
- high difference in weight between donor and patient
- high platelet values at the start of the donation ( $\geq 150,000/\mu\text{l}$ )
- value of CD34+/CD45+ cells on the day of donation
- continuous monitoring of the donor's health condition throughout the apheresis process

	male	female
<b>age</b>	$\leq 40$	$\leq 30$
<b>weight</b>	$\geq 70\text{kg}$	$\geq 60\text{kg}$
<b>HLA-type</b>	1-20.000 most common genotypes, $\geq 5$ loci high-resolution typing	
<b>donor exclusion</b>	according to BÄK* guidelines and approval according to §25 AMG*	

\* Bundesärztekammer (German Medical Association)

\* Arzneimittelgesetz (German Medicinal Products Act)

## From a cryotank to the patient in need



### DKMS Stem Cell Bank gGmbH

Enderstraße 94/Haus C, 01277 Dresden, Germany

- **25 +** years experience in cryopreservation
- **> 10,000 stem cell units** processed
- **non-profit** organization

### DKMS Registry gGmbH

Kressbach 1, 72072 Tübingen, Germany

- services around **procurement of stem cell donor products**
- dedicated team of **experienced search coordinators**
- **non-profit** organization

### More information



### » Contact us

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