

3. Shipment instructions

Please **use only** the materials provided by us for sending samples:



- Line the folding box with bubble wrap
- Small animal: Place S-monovettes (labeled!) in the folding box
- Horse: Wrap the blood bag with bubble wrap (protection against freezing)



- Place the closed folding box or wrapped blood bag in the polystyrene box



- Place bubble wrap between the samples and the cold pack again
- Place the cold pack ON the samples
- Close the polystyrene box with the lid and place in the outer packaging (cardboard box)



- Enclose completed blood sampling protocol



- Seal the outer packaging
- Stick the shipping label in the shipping label bag on the box

Appendix 1: Instructions for blood sampling and shipment for dendritic cell therapy

Dear colleagues,

this document provides you with important information on blood sampling for dendritic cell therapy.

Please note:

- ✓ Only use the S-monovettes (dog and cat) or blood bags (horse) provided by us and follow the blood collection instructions (Appendix 2).
- ✓ Working cleanly during collection is a prerequisite for preventing contamination, as we require sterile blood.
- ✓ It is essential that you handle the monovettes (small animals) or the blood bag (horses) correctly so that the mixing ratio of blood and citrate or CPDA is guaranteed (see instructions).
- ✓ We require approx. 1ml of whole blood per kilogram bodyweight of patients, but at least 7 ml are required for patients weighing up to 7 kg, see also the corresponding table.
- ✓ The samples must be labeled in such a way that they can be clearly assigned to the patient.
- ✓ Be sure to complete and send the blood sampling protocol!
- ✓ Please note that the following parameters have a general influence on blood collection: Duration of vein damming, collection time, physical stress, medication intake, food intake and surgical interventions.

1. Correct handling of the S-monovette with citrate (only for small animals)

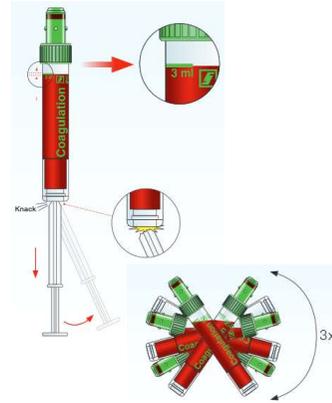
To avoid contamination, always keep the monovette closed.

To avoid rejection of the samples due to underfilling, an **exact filling volume** and thus a **correct mixing ratio (1:10)** are absolutely essential.

These errors can be avoided if the S-Monovette is drawn up to the stop (the plunger clicks into place). Then wait a few seconds until the blood flow visibly stops.

Important: Mix well!

Immediately after taking the blood sample, swirl it upside down **at least 3 times** (do not shake).



Number of monovettes required according to patient weight

Weight dog	Monovettes	Milliliters	Weight cat	Monovettes	Milliliters
0-3kg	5x 1,8ml	9	0-3kg	5x 1,8ml	9
4-5kg	6x 1,8ml	10,8	4-5kg	6x 1,8ml	10,8
6-9kg	1x 5,4ml, 2x 2,9ml, 1x 1,8ml	13	6-9kg	1x 2,9ml, 5x 1,8ml	11,9
10-14kg	2x 5,4ml, 2x 2,9ml, 1x 1,8ml	18,4	10-13kg	1x 5,4ml, 2x 2,9ml, 3x 1,8ml	16,4
15-16kg	4x 5,4ml	21,6	14-16kg	3x 5,4ml, 1x 2,9ml, 1x 1,8ml	20,9
17-22kg	1x 10ml, 3x 5,4ml	26,2			
23-26kg	1x 10ml, 4x 5,4ml	31,6			
27-32kg	2x 10ml, 3x 5,4ml	36,2			
33-36kg	3x 10ml, 2x 5,4ml	40,8			
37-42kg	4x 10ml, 1x 5,4ml	45,4			
43-46kg	4x 10ml, 2x 5,4ml	50,8			
47-52kg	5x 10ml, 1x 5,4ml	55,4			
53-56kg	5x 10ml, 2x 5,4ml	60,8			
57-62kg	6x 10ml, 1x 5,4ml	65,4			
63-66kg	6x 10ml, 2x 5,4ml	70,8			
67-72kg	7x 10ml, 1x 5,4ml	75,4			

Horse: 1x blood bag

2. Taking blood samples from small animals and horses

Please follow the steps below:

1. Take a close look at the vein conditions.
2. **Shear** hair generously at the extraction site.
3. Carry out **hygienic hand disinfection** with an exposure time of at least 30 seconds. Work with gloves. These provide personal and sample protection.
4. **Dam** the vein (if possible).
5. **Disinfect** the targeted **puncture site** thoroughly and wait at least 30 seconds until the site has dried. Do not palpate the sampling site again.
6. **Tighten the skin** at the puncture site with your free hand. **Puncture the vein.**
7. Take blood samples **quickly**, otherwise the blood will clot:

Further steps small animals:

- a. Attach multi-adapter to the cannula.



- b. Slowly draw up the monovette until the plunger engages. Wait briefly until the blood flow visibly stops.



8. After **sufficient filling** (observe mixing ratio), **swirl** tubes / blood bags at least 3 times (do not shake, otherwise hemolysis)).
9. Fill **further monovettes** according to steps 7 and 8 (not applicable for horses).
10. After completing the blood collection, **release the tourniquet**, **remove the cannula** (monovettes) / **close tightly** (blood bags) and immediately **apply pressure to the puncture site** with a swab until the bleeding has stopped.
11. **Treat the wound**, safely dispose of the cannula of the tubes and **break off the stamp** on the filled monovettes.
12. **Pack blood samples** for transportation according to the following instructions (step 3).

Further steps horses:

- a. Check whether the white clip seal on the blood bag is loose.



- b. Wait until the blood bag has filled completely. Then close the white clip again.

