

What is an Adipose Stem Cell Procedure Kit?

The ADSP Kit is a highly practical and cost effective tool used to perform an in-house procedure for the processing of autologous adipose tissue from a dog or cat to recover targeted stem cells and assist in the repair and recovery of injury or debilitating disorder.

The ADSP kit provides a superior alternative to harvesting and administering animals stem cells currently used in traditional bone marrow methods. The ADSP technique is much easier and less invasive than the bone marrow procedure and uses the animal's own adipose tissue (fat) to harvest stem cells in much larger volumes (up to 1,000 times) than from bone marrow.



What is an Adipose Stem Cell Procedure?

A small sample of Adipose tissue (fat) is surgically removed from the thorax or inguinal area of the dog or cat under general anaesthetic and processed to obtain cells termed stromal vascular fraction (SVF) which include bone marrow stromal cells, follicular dendritic cells, & mesenchymal cells along with many beneficial proteins that encourage bone formation, liver cell regeneration, nervous system regeneration, wound healing, vascular rebuilding, skin repair, damaged cells to repair themselves and cell re-growth.

Is Adipose Stem Cell Procedure Safe?

Yes... because the adipose tissue is removed from the animal's own body there are no problems with cell rejection or disease transmission. The surgery, harvesting, and administering of stem cells are all performed in-house under the veterinarians control.

Who can use the Adipose Stem Cell Procedure Kit?

The ADSP Kit can be used by any suitably qualified veterinary surgeon or qualified veterinary nurse under supervision, providing the surgery is equipped with the specified equipment and consumables including a MediVet Low Level Laser.

Benefits of an Adipose Stem Cell Procedure.

Stem cells play an integral part in wound healing and regeneration of body organs and tissue at the cellular level. The use of the ADSP Kit gives a veterinary surgeon rapid access to large quantities of SVF to enable rapid repair and re-growth of the patient animal's damaged tissue or organs with much less trauma that that associated with bone marrow extraction.

Why Choose an Adipose Stem Cell Procedure?

Compared to harvesting from bone marrow Adipose tissue is easier to get in larger volumes if needed, is less painful, and involves lower risks whilst yielding many more stem cells compared to bone marrow.

There is a much shorter time from time of surgery to administering treatment using safe in-house procedures, and does not require specialised laboratory requirement with days of culturing to reach the necessary therapeutic threshold. There are no ethical or moral issues involved in harvesting adipose (fat) tissue and considering the various differentiation and angiogenic potentials, along with immuno-suppressive properties it shows that Adipose tissue is the preferred supply source of adult stem cells for clinical use now and into the future.

Side Effects from an Adipose Stem Cell Procedure?

As the adipose tissue is extracted from the animal's own body with no 'foreign' donors, the procedure is performed entirely in-house, the process is entirely 'natural,' and there are no side effects at all.

Is it Suitable for Performance Animals?

As no harmful or banned substances are used in this procedure, all substances are extracted from and returned to the animal's own body it is completely drug and chemical free. It contains no illegal substances or residues.

Availability of Adipose Stem Cell Procedure Kit?

The ADSP Kit comes complete with materials required to perform the procedure except for some standard consumable items normally used in most veterinary clinic's. Additional equipment required to perform the protocol provided with each kit include a floating rotor centrifuge, oscillating hot water bath, and MediVet Low Level Laser all of which can be purchased through MediVet



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