



TREATMENT WITH UMBILICAL CORD STEM CELLS

HorStem is an injectable suspension indicated for the lameness reduction associated with mild to moderate degenerative joint disease in horses.



Production of the injectable

In the facilities of Equicord, the tissue is reviewed by quality control. Only tissues that meet high standards are used to produce the stem cell therapeutical. The tissue is checked for sterility, absence of bacteria, viruses, parasites, purity and identity. Also blood analysis of the donors is performed.

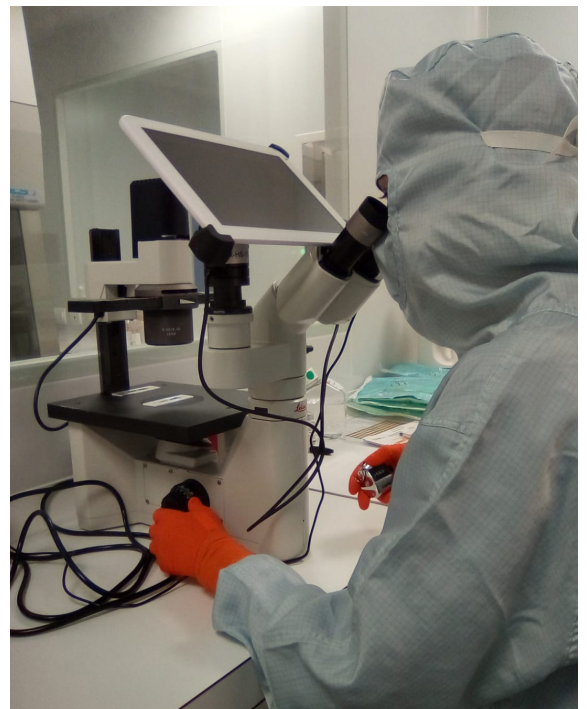
If the tissue meets the quality standards, the cells are expanded and tested again. After approval of the quality, stem cells are packaged in ready to use vials.

Donating stem cells

Equicord works with breeding centers that meet the highest quality standards.

After the foal is born, the umbilical cord is no longer useful to the mare or foal. The tissue is however rich in stem cells, that can be used to treat other horses.

The umbilical cord is collected by a veterinarian after birth, this requires no intervention during the birth and is 100% animal friendly.





Results of stem cell injection

Clinical trials have shown that umbilical cord stem cells are effective in reducing lameness in horses with mild to moderate osteoarthritis.

72% of the horses that are treated with these stem cells reduce their lameness to a lameness score of 1 or lower (no lameness or inconsistent lameness).

These results are long term, more than 80% of the animals do not need additional treatment 12 months after this treatment.

Use of stem cells in osteoarthritis

Osteoarthritis (OA) is a common cause of lameness in horses. It often affects joint in the legs.

The chronic, degenerative disease causes inflammation in the joint and breakdown of the cartilage. Symptoms can be subtle in the early stages, but it is important to consult a veterinarian as damage is irreversible. The sooner the horse is treated, the better.

The contents of the vial, containing 15 million stem cells is injected in the affected joint. Stem cells will reduce inflammation and slow down the degeneration of cartilage.



“Horstem is the world's first drug based on equine umbilical cord mesenchymal stem cells authorised by centralised registry by the European Medicines Agency.”