

## USE OF EXOSOMES

DERIVED FROM MESENCHYMAL  
STROMAL CELLS IN THE TREATMENT OF  
**SYSTEMIC LUPUS  
ERYTHEMATOSUS**

Systemic lupus erythematosus is a disorder of the immune system, in which an attack against the body's own tissue occurs through an inflammatory response, which causes multiple damage to various organs and systems.

- Mesenchymal Stromal Cells (MSC) have demonstrated their ability to regulate the immune system, reducing inflammation.
- These effects are achieved through the exosomes they release. Exosomes are spheres that contain therapeutic molecules such as microRNAs.

- miR-155-5p, miR-146a and miR-23a-3p are microRNAs contained in exosomes and have an important anti-inflammatory effect that contributes to the regeneration of damaged tissue.

If you have been diagnosed with Systemic Lupus Erythematosus at Red Exocel we can help you.

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