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Human Fibroblast-Like Synoviocytes: Rheumatoid Arthritis: HFLS-RA

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Description



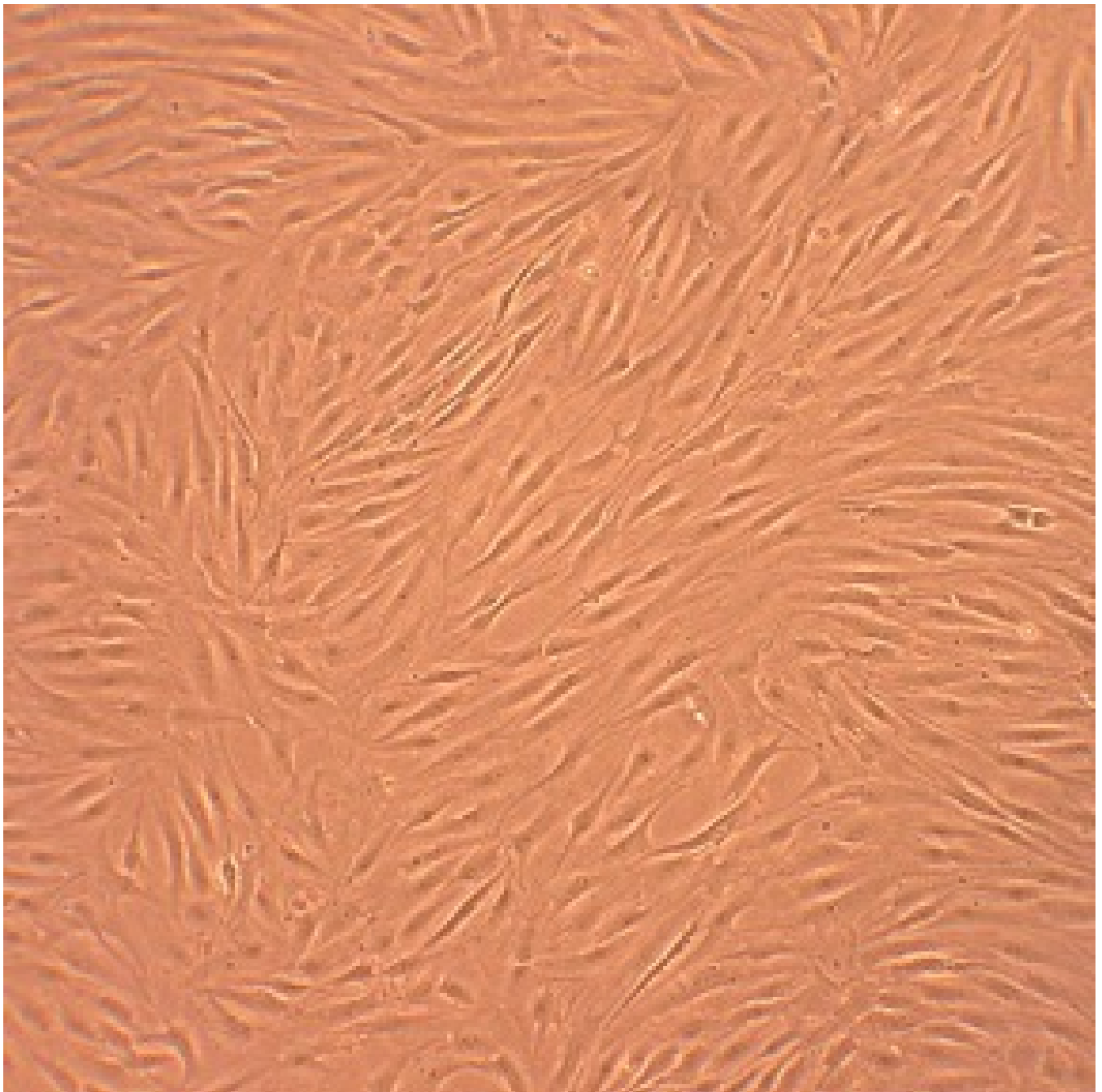
[1]

Human Fibroblast-Like Synoviocytes: Rheumatoid Arthritis (HFLS-RA) provide an excellent cellular model for studying synoviocyte physiology in relation to development and treatment of rheumatoid arthritis.

HFLS-RA from Cell Applications, Inc. have been used in research to evaluate:

- Signaling pathways implicated in the development of joint inflammation and rheumatoid arthritis
- Contribution of EBV to nonresolving rheumatoid arthritis inflammation through inducing IL-6 production by synoviocytes

- Anti-inflammatory and antirheumatic activity of various compounds, such as celastrol, triptolide, arsenic trioxide, bucillamine, therapeutic liposomes, anti-IL-6R and anti-CD319 antibodies, inhibitors of NF- κ B, methionine aminopeptidase-2, Tpl2, aryl hydrocarbon receptor, p38 MAP kinase
- Beneficial anti-inflammatory effects of low level light therapy
- Causes of metalloproteinase induction in patients with Lyme disease-associated arthritis
- Adenovirus-based siRNA delivery systems
- Causative agents, immunopathological mechanisms and signal transduction pathways leading to joint inflammation in rheumatoid arthritis
- The role of estrogen signaling in increasing inflammation
- Anti-inflammatory properties of herbal compound Sinomenine suggested for rheumatoid arthritis treatment
- Effects of extracellular matrix composition on cell attachment and migration relevant to T-cell function in inflamed tissues
- Involvement of capsid proteins of parvovirus B19 in activating synoviocyte migration and induction of the inflammatory response leading to acute symmetrical polyarthropathy
- The role of human endogenous retroviruses (HERVs) in development of rheumatoid arthritis, and suggest that activated expression of different forms of HERV contribute to development of rheumatoid arthritis symptoms by different mechanisms



^[2]
(Click to Enlarge) **Human Fibroblast-Like Synoviocytes-Rheumatoid Arthritis: HFLS-RA.** Cells that line the joints, producing synovial fluid. In RA, synovial cells express genes and erosive enzymes that contribute to joint degradation.

Details

Tissue	Human synovial tissue from donor w/ rheumatoid arthritis
QC	No bacteria, yeast, fungi, mycoplasma, virus
Cryovial	500,000 HFLS-RA frozen in Basal Medium w/ 10% FBS, 10% DMSO
Kit	Cryovial frozen HFLS-RA (408RA-05a), Gr Med (415-500), Subcltr Rgnt Kit (090K)
Proliferating	Shipped in Gr Med, 3rd psg (flasks or plates)
Doublings	At least 5
Applications	Laboratory research use only (RUO). Not for human, clinical, diagnostic or veterinary use.

Instructions HFLS-RA

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5 Important Cell Culture Rules

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