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| AlphaLISA®  **Hyaluronic Acid Detection Kit** | | | | | | | |
| **Product number:** | AL354S | | **Lot Number:** | | 3285266 | | |
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| **Material provided:** |  | | | | | | |
| **Kit Format:** | AL354HV: 100 assay points  The number of assay points based on an assay volume of 100 µL in a 96-well assay plate using kit components at the recommended concentrations. | | | | | | |
|  | AL354C: 500 assay points AL354F: 5000 assay points  The number of assay points is based on an assay volume of 50 µL in  384-well assay plates using kit components at the recommended concentrations. | | | | | | |
| **Analyte Format:** | AL354S: 3 µg (one vial contains an amount sufficient for performing 10 AlphaLISA standard curves) | | | | | | |
| **Manufacturing date:** | April 10, 2024 | **Document version:** | | 1 | |  |  |

**Product Information**

**Application:** This kit is designed for the quantitative determination of Hyaluronic Acid (HA) in human serum, plasma, and, cell lysyate, cell culture supernatants using a homogeneous AlphaLISA assay (no wash steps). The assay shows no cross-reactivity with human collagen Type I, Type II, Type III, and fibronectin. Cross reactivity with other species has not been tested.

**Kit contents:** The kit contains 5 components: AlphaLISA Human Aggrecan Acceptor beads, Streptavidin-coated Donor beads, Biotinylated Human Aggrecan, Lyophilized HA, and 10X AlphaLISA Immunoassay Buffer.

**Sensitivity:** Lower Detection Limit (LDL): 0.5 ng/mL

Lower Limit of Quantification (LLOQ): 2.2 ng/mL

EC50: 39 ng/mL

**Dynamic Range:** 0.3 – 3000 ng/mL

**Storage:** Store kit in the dark at +4˚C. Store reconstituted analyte at -20°C.

**Stability:** This kit is stable for at least 6 months from the manufacturing date when stored in its original packaging and the recommended storage conditions.

**Quality Control**

Lot to lot consistency is confirmed in an AlphaLISA assay. Maximum and minimum signals, EC50 and LDL were measured on the EnVision Multilabel Plate Reader with Alpha option. We certify that these results meet our quality release criteria. Maximum counts may vary between bead lots and the instrument used, with no impact on LDL measurement.

EC50: 96.340 ng/mL

LDL: 1.391 pg/mL

LLOQ: 3.827 pg/mL

Min counts: 516 counts

Max counts: 15634 counts

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