

Resource Summary Report

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U Mass - Hemoglobin A1c

DOI:10.17504/protocols.io.xy3fpyn

Type: Protocol

Proper Citation

Jason Kim 2019. U Mass - Hemoglobin A1c. protocols.io
[dx.doi.org/10.17504/protocols.io.xy3fpyn](https://doi.org/10.17504/protocols.io.xy3fpyn)

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.xy3fpyn>

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Group: Mouse Metabolic Phenotyping Centers

Summary: Summary: This experiment provides the quantification of multiple cytokines and chemokines using multiplexed-Luminex technology based on beads containing specific antibodies. Serum cytokine levels reflect chronic or acute inflammation, and circulating cytokines and chemokines are altered in obesity. Cytokines Panel I include IL-1?, IL-1?, IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, KC (IL-8 homologue), IL-9, IL-10 (interleukin-10), IL-12 (p40), IL-12 (p70), IL-13, IL-15, IL-17A, TNF? (tumor necrosis factor alpha), IFN? (interferon gamma), IP-10 (interferon gamma-induced protein 10; CXCL-10), Eotaxin (CCL-11), G-CSF (granulocyte colony stimulating factor), GM-CSF (granulocyte macrophage colony stimulating factor), LIF (leukemia inhibitory factor), LIX (LPS-induced CXC chemokine), MCP-1 (monocyte chemoattractant protein-1; CCL-2), M-CSF (macrophage colony stimulating factor), MIG (monokine induced by gamma interferon; CXCL9), MIP-1? (macrophage inflammatory protein alpha; CCL-3), MIP-1? (macrophage inflammatory protein beta; CCL-4), and MIP-2/RANTES (macrophage inflammatory protein 2alpha; CXCL-2). A service can be requested for all or any combination of listed cytokines/chemokines for customized multiplexed Luminex assay.

Affiliations: University of Massachusetts

External URL: <https://mmpc.org/shared/document.aspx?id=160&docType=Protocol>

Version: 1

Publication Date: 2019

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Record Creation Time: 20210329T220517+0000

Record Last Update: 20210329T220833+0000

Data and Source Information

Source: