



Inflammation





AYOXXA's inflammation cluster of LUNARIS™ Kits targets meaningful selections of secreted and soluble cytokines implicated in T cell differentiation and effector functions.

Th1/Th2 Cell Biology		No. of BioChips	Cat. No.	No. of Samples*
LUNARIS™ Human 11-Plex Cytokine Kit		1 × 96	LHCY-20110S	40
LUNARIS™ Human 11-Plex Cytokine Kit		4 × 96	LHCY-20110F	184



* Measured in duplicate

Biomarker	Sample Types
GM-CSF, IFN- γ , IL-1 β , IL-2, IL-4, IL-5, IL-6, IL-8 (CXCL8), IL-10, IL-12p70, TNF- α	Serum, cell culture supernatant, aqueous humor (also tested for: joint punctates, cell lysates, vitreous humor, tears)

Th1/Th2 Cell Biology		No. of BioChips	Cat. No.	No. of Samples*
LUNARIS™ Human 5-Plex Cytokine Kit		1 × 96	LHCY-20050S	40
LUNARIS™ Human 5-Plex Cytokine Kit		4 × 96	LHCY-20050F	184

* Measured in duplicate

Biomarker	Sample Types
IL-1 β , IL-2, IL-6, IL-8 (CXCL8), TNF- α	Serum, cell culture supernatant, aqueous humor (also tested for: joint punctates, cell lysates, vitreous humor, tears)



Th1 Cell Biology		No. of BioChips	Cat. No.	No. of Samples*
LUNARIS™ Human 4-Plex Cytokine Kit		1 × 96	LHCY-20040S	40
LUNARIS™ Human 4-Plex Cytokine Kit		4 × 96	LHCY-20040F	184

* Measured in duplicate

Biomarker	Sample Types
IFN- γ , IL-2, IL-12p70, TNF- α	Serum, cell culture supernatant, aqueous humor (also tested for: joint punctates, cell lysates, vitreous humor, tears)



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Th2 Cell Biology		No. of BioChips	Cat. No.	No. of Samples*
LUNARIS™ Human 3-Plex Cytokine Kit		1 × 96	LHCY-2003oS	40
LUNARIS™ Human 3-Plex Cytokine Kit		4 × 96	LHCY-2003oF	184

* Measured in duplicate

Biomarker	Sample Types
IL-4, IL-5, IL-10	Serum, cell culture supernatant, aqueous humor (also tested for: joint punctates, cell lysates, vitreous humor, tears)



Acute Phase Biology		No. of BioChips	Cat. No.	No. of Samples*
LUNARIS™ Human 3-Plex Cytokine A Kit		1 × 96	LHCY-2003AS	40
LUNARIS™ Human 3-Plex Cytokine A Kit		4 × 96	LHCY-2003AF	184

* Measured in duplicate

Biomarker	Sample Types
IL-1 β , IL-6, TNF- α	Serum, cell culture supernatant, aqueous humor (also tested for: joint punctates, cell lysates, vitreous humor, tears)



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Th17 Cell Biology		No. of BioChips	Cat. No.	No. of Samples*
LUNARIS™ Human 12-Plex Th17 Kit		1 × 96	LHTH-2012oS	40
LUNARIS™ Human 12-Plex Th17 Kit		4 × 96	LHTH-2012oF	184



* Measured in duplicate

Biomarker	Sample Types
CCL20, IFN- γ , IL-1 β , IL-4, IL-6, IL-10, IL-17A, IL-17E, IL-17F, IL-21, IL-23, TGF- β 1	Serum, cell culture supernatant (also tested for: tears, cerebrospinal fluid)

Th17 Cell Biology		No. of BioChips	Cat. No.	No. of Samples*
LUNARIS™ Human 6-Plex Th17 Kit		1 × 96	LHTH-2006oS	40
LUNARIS™ Human 6-Plex Th17 Kit		4 × 96	LHTH-2006oF	184

* Measured in duplicate

Biomarker	Sample Types
IL-1 β , IL-6, IL-17A, IL-17F, IL-21, IL-23	Serum, cell culture supernatant (also tested for: tears, cerebrospinal fluid)



T Follicular Helper Cell Biology		No. of BioChips	Cat. No.	No. of Samples*
LUNARIS™ Human 3-Plex Cytokine B Kit		1 × 96	LHTH-2003BS	40
LUNARIS™ Human 3-Plex Cytokine B Kit		4 × 96	LHTH-2003BF	184

* Measured in duplicate

Biomarker	Sample Types
IL-6, IL-10, IL-21	Serum, cell culture supernatant (also tested for: tears, cerebrospinal fluid)



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T Cell Characterization		No. of BioChips	Cat. No.	No. of Samples*
LUNARIS™ Human 6-Plex T Cell Characterization Kit		1 × 96	LHTC-20060S	40
LUNARIS™ Human 6-Plex T Cell Characterization Kit		4 × 96	LHTC-20060F	184

* Measured in duplicate

Biomarker	Sample Types
Granzyme B, IFN- γ , IL-2, IL-4, IL-17A, TGF- β 1	Cell culture supernatant



Chemokine Signaling		No. of BioChips	Cat. No.	No. of Samples*
LUNARIS™ Human 11-Plex Chemokine Kit		1 × 96	LHCK-20110S	40
LUNARIS™ Human 11-Plex Chemokine Kit		4 × 96	LHCK-20110F	184

* Measured in duplicate

Biomarker	Sample Types
CCL2 (MCP-1), CCL3, CCL4, CCL5 (RANTES), CCL11 (Eotaxin), CCL19, CCL20, CXCL1, CXCL8 (IL-8), CXCL10 (IP-10), CXCL12 (SDF1A)	Serum, cell culture supernatant



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Th17 Cell Biology		No. of BioChips	Cat. No.	No. of Samples*
LUNARIS™ Mouse 12-Plex Th17 Kit		1 × 96	LMTH-2012oS	40
LUNARIS™ Mouse 12-Plex Th17 Kit		4 × 96	LMTH-2012oF	184



* Measured in duplicate

Biomarker	Sample Types
CCL20, IFN- γ , IL-1 β , IL-4, IL-6, IL-10, IL-17A, IL-17E, IL-17F, IL-21, IL-23, TGF- β 1	Serum, cell culture supernatant (also tested for diverse cell lysates: conjunctiva, skin, lymphoid tissue)

Th17 Cell Biology		No. of BioChips	Cat. No.	No. of Samples*
LUNARIS™ Mouse 6-Plex Th17 Kit		1 × 96	LMTH-2006oS	40
LUNARIS™ Mouse 6-Plex Th17 Kit		4 × 96	LMTH-2006oF	184

* Measured in duplicate

Biomarker	Sample Types
IL-1 β , IL-6, IL-17A, IL-17F, IL-21, IL-23	Serum, cell culture supernatant (also tested for diverse cell lysates: conjunctiva, skin, lymphoid tissue)



T Follicular Helper Cell Biology		No. of BioChips	Cat. No.	No. of Samples*
LUNARIS™ Mouse 3-Plex Cytokine B Kit		1 × 96	LMTH-2003BS	40
LUNARIS™ Mouse 3-Plex Cytokine B Kit		4 × 96	LMTH-2003BF	184

* Measured in duplicate

Biomarker	Sample Types
IL-6, IL-10, IL-21	Serum, cell culture supernatant (also tested for diverse cell lysates: conjunctiva, skin, lymphoid tissue)



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T Cell Characterization		No. of BioChips	Cat. No.	No. of Samples*
LUNARIS™ Mouse 6-Plex T Cell Characterization Kit		1 × 96	LMTC-20060S	40
LUNARIS™ Mouse 6-Plex T Cell Characterization Kit		4 × 96	LMTC-20060F	184

* Measured in duplicate

Biomarker	Sample Types
Granzyme B, IFN- γ , IL-2, IL-4, IL-17A, TGF- β 1	Cell culture supernatant

Chemokine Signaling		No. of BioChips	Cat. No.	No. of Samples*
LUNARIS™ Mouse 12-Plex Chemokine Kit		1 × 96	LMCK-20120S	40
LUNARIS™ Mouse 12-Plex Chemokine Kit		4 × 96	LMCK-20120F	184

* Measured in duplicate

Biomarker	Sample Types
CCL2 (MCP-1), CCL3, CCL4, CCL5 (RANTES), CCL11 (Eotaxin), CCL19, CCL20, CCL22, CXCL1, CXCL10 (IP-10), CXCL12 (SDF1A), CX3CL1 (Fractalkine)	Serum, cell culture supernatant

Ophthalmology



The LUNARIS™ Ophthalmology Kits constitute a trailblazing solution for examining cytokines, angiogenesis markers and chemokines associated with eye pathologies.

		No. of BioChips	Cat. No.	No. of Samples*
LUNARIS™ Human 11-Plex Ophthalmology Kit		1 × 96	LHOP-20110S	40
LUNARIS™ Human 11-Plex Ophthalmology Kit		4 × 96	LHOP-20110F	184

* Measured in duplicate

Biomarker	Sample Types
Ang-2, CCL2 (MCP-1), CRP, CXCL10 (IP-10), CXCL12 (SDF1A), CXCL13, IL-6, IL-8 (CXCL8), PDGF-BB, PlGF, VEGF-A	Plasma, aqueous humor, vitreous humor (also tested for: cell culture supernatant, serum, retina homogenate, tears)



		No. of BioChips	Cat. No.	No. of Samples*
LUNARIS™ Mouse 6-Plex Ophthalmology Kit		1 × 96	LMOP-20060S	40
LUNARIS™ Mouse 6-Plex Ophthalmology Kit		4 × 96	LMOP-20060F	184



* Measured in duplicate

Biomarker	Sample Types
Ang-1, Ang-2, CCL2 (MCP-1), IGF-1, PDGF-BB, VEGF-A	Serum, aqueous humor, vitreous humor, cell culture supernatant (also tested for: retina homogenate, tears, plasma)

Immuno-Oncology





Cytokine profiles offer a telltale snapshot of immune function that can inform treatment decisions in next-generation cancer therapies. Our immuno-oncology LUNARIS™ Kits enable sensitive detection of multiple relevant cytokines in basic to clinical immuno-oncological research.

Th1/Th2 Cell Biology		No. of BioChips	Cat. No.	No. of Samples*
LUNARIS™ Human 11-Plex Cytokine Kit		1 × 96	LHCY-20110S	40
LUNARIS™ Human 11-Plex Cytokine Kit		4 × 96	LHCY-20110F	184



* Measured in duplicate

Biomarker	Sample Types
GM-CSF, IFN-γ, IL-1β, IL-2, IL-4, IL-5, IL-6, IL-8 (CXCL8), IL-10, IL-12p70, TNF-α	Serum, cell culture supernatant, aqueous humor (also tested for: joint punctates, vitreous humor, cell lysates)

Th1/Th2 Cell Biology		No. of BioChips	Cat. No.	No. of Samples*
LUNARIS™ Human 5-Plex Cytokine Kit		1 × 96	LHCY-20050S	40
LUNARIS™ Human 5-Plex Cytokine Kit		4 × 96	LHCY-20050F	184

* Measured in duplicate

Biomarker	Sample Types
IL-1β, IL-2, IL-6, IL-8 (CXCL8), TNF-α	Serum, cell culture supernatant, aqueous humor (also tested for: joint punctates, vitreous humor, cell lysates)



Th1 Cell Biology		No. of BioChips	Cat. No.	No. of Samples*
LUNARIS™ Human 4-Plex Cytokine Kit		1 × 96	LHCY-20040S	40
LUNARIS™ Human 4-Plex Cytokine Kit		4 × 96	LHCY-20040F	184

* Measured in duplicate

Biomarker	Sample Types
IFN-γ, IL-2, IL-12p70, TNF-α	Serum, cell culture supernatant, aqueous humor (also tested for: joint punctates, vitreous humor, cell lysates)



Immuno-Oncology



Th2 Cell Biology		No. of BioChips	Cat. No.	No. of Samples*
LUNARIS™ Human 3-Plex Cytokine Kit		1 × 96	LHCY-2003oS	40
LUNARIS™ Human 3-Plex Cytokine Kit		4 × 96	LHCY-2003oF	184



* Measured in duplicate

Biomarker	Sample Types
IL-4, IL-5, IL-10	Serum, cell culture supernatant, aqueous humor (also tested for: joint punctates, vitreous humor, cell lysates)

Acute Phase Biology		No. of BioChips	Cat. No.	No. of Samples*
LUNARIS™ Human 3-Plex Cytokine A Kit		1 × 96	LHCY-2003AS	40
LUNARIS™ Human 3-Plex Cytokine A Kit		4 × 96	LHCY-2003AF	184

* Measured in duplicate

Biomarker	Sample Types
IL-1 β , IL-6, TNF- α	Serum, cell culture supernatant, aqueous humor (also tested for: joint punctates, vitreous humor, cell lysates)



T Cell Characterization		No. of BioChips	Cat. No.	No. of Samples*
LUNARIS™ Human 6-Plex T Cell Characterization Kit		1 × 96	LHTC-2006oS	40
LUNARIS™ Human 6-Plex T Cell Characterization Kit		4 × 96	LHTC-2006oF	184

* Measured in duplicate

Biomarker	Sample Types
Granzyme B, IFN- γ , IL-2, IL-4, IL-17A, TGF- β 1	Cell culture supernatant

Immuno-Oncology



T Cell Characterization		No. of BioChips	Cat. No.	No. of Samples*
LUNARIS™ Mouse 6-Plex T-cell Characterization Kit		1 × 96	LMTC-20060S	40
LUNARIS™ Mouse 6-Plex T-cell Characterization Kit		4 × 96	LMTC-20060F	184

* Measured in duplicate

Biomarker	Sample Types
Granzyme B, IFN-γ, IL-2, IL-4, IL-17A, TGF-β1	Cell culture supernatant

LUNARIS™ Reader

For readout of LUNARIS™ Kits

	Article Description	Cat. No.
LUNARIS™ Reader 96	Imaging device and control software, up to 96 samples	LRS-102
LUNARIS™ Reader 384	Imaging device and control software up to 384 samples	LRS-202

Accessories

	Article Description	Cat. No.
LUNARIS™ Accessory Kit 96	1 × LUNARIS™ BaseFrame 96, 1 × LUNARIS™ BaseFrame Lid, 1 × LUNARIS™ TaraFrame	LAK-102
LUNARIS™ Accessory Kit 384	2 × LUNARIS™ BaseFrames 384, 2 × LUNARIS™ BaseFrame Lids, 4 × LUNARIS™ Tara BioChips	LAK-202
LUNARIS™ Analysis Suite	Data Analysis Software	LAS-001

LUNARIS™



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