

## Appendices

**Table S1.** Supplement – Human cytokines, chemokines and growth factor serum concentration, pg/mL, in patients with mild to moderate respiratory infection with and without SARS-CoV-2 at enrollment.

At enrollment Day 1		G-CSF <sup>#</sup>	IFN- $\gamma$	IL-1 $\beta$ <sup>*</sup>	IL-1RA	IL-6 <sup>*</sup>	IL-10	IP-10	MCP-1	MCP-3	TNF- $\alpha$ <sup>*</sup>
<b>SARS-CoV-2 infection (N=139)</b>	Median	10	23	5	5	3	5	123	328	28	16
	Interquartile range	0-29	0-108	1-10	0-7	0-4	0-9	39-297	105-690	2-32	1-23
<b>Non-SARS-CoV-2 infection (N=83)</b>	Median	3	8	3	4	2	2	53	184	19	13
	Interquartile range	0-14	0-44	0-5	0-5	0-3	0-7	21-234	74-448	0-31	0-20

<sup>#</sup> G-CSF: granulocyte-colony stimulating factor; IFN- $\gamma$ : interferon-gamma; IL-1 $\beta$ : interleukin-1 beta; IL-1RA: interleukin 1 receptor antagonist; IL-6: interleukin 6; IL-10: interleukin 10; IP-10: interferon  $\gamma$ -induced protein 10kDa or C-X-C motif chemokine 10 (CXC10); MCP-1: monocyte chemoattractant protein-1; MCP-3: human monocyte chemotactic protein-3 or chemokine (C-C motif) ligand 7 (CCL7); and TNF- $\alpha$ : tumor necrosis factor alpha. \* P < 0.05 SARS-CoV-2 versus non-SARS-CoV-2 infection (Mann-Whitney U Test).

**Table S2.** Supplement – Human cytokines, chemokines and growth factor serum concentration, pg/mL, in patients with mild to moderate respiratory infection with and without SARS-CoV-2 at visit day 14<sup>th</sup>.

Visit Day 14 <sup>o</sup>		G-CSF <sup>#</sup>	IFN- $\gamma$	IL-1 $\beta$	IL-1RA	IL-6	IL-10 <sup>*</sup>	IP-10	MCP-1	MCP-3	TNF- $\alpha$ <sup>*</sup>
<b>SARS-CoV-2 infection (N=139)</b>	Median	7	9	4	4	2	5	87	293	29	16
	Interquartile range	0-23	0-63	2-9	0-7	0-3	0-7	31-261	122-772	2-31	0-20
<b>Non-SARS-CoV-2 infection (N=83)</b>	Median	2	1	3	4	2	3	78	212	28	13
	Interquartile range	0-16	0-59	0-5	0-6	0-3	0-8	22-278	92-606	1-30	0-19

<sup>#</sup> G-CSF: granulocyte-colony stimulating factor; IFN- $\gamma$ : interferon-gamma; IL-1 $\beta$ : interleukin-1 beta; IL-1RA: interleukin 1 receptor antagonist; IL-6: interleukin 6; IL-10: interleukin 10; IP-10: interferon  $\gamma$ -induced protein 10kDa or C-X-C motif chemokine 10 (CXC10); MCP-1: monocyte chemoattractant protein-1; MCP-3: human monocyte chemotactic protein-3 or chemokine (C-C motif) ligand 7 (CCL7); and TNF- $\alpha$ : tumor necrosis factor alpha. \* P < 0.05 SARS-CoV-2 versus non-SARS-CoV-2 infection (Mann-Whitney U Test).

**Table S3.** Supplement – Human cytokines, chemokines and growth factor serum concentration, pg/mL, in patients with mild to moderate respiratory infection with and without SARS-CoV-2 at visit day 28<sup>th</sup>.

Visit Day 28 <sup>a</sup>		G-CSF <sup>#</sup>	IFN- $\gamma$	IL-1 $\beta$ <sup>*</sup>	IL-1RA	IL-6	IL-10 <sup>*</sup>	IP-10	MCP-1	MCP-3 <sup>*</sup>	TNF- $\alpha$
<b>SARS-CoV-2 infection (N=139)</b>	Median	6	13	5	4	2	4	102	403	29	16
	Interquartile range	0-23	0-51	2-9	0-7	0-3	0-7	30-225	120-790	3-31	0-22
<b>Non-SARS-CoV-2 infection (N=83)</b>	Median	0	4	2	4	2	2	57	210	27	13
	Interquartile range	0-15	0-51	0-7	0-5	0-3	0-7	23-232	90-528	2-30	0-19

<sup>#</sup> G-CSF: granulocyte-colony stimulating factor; IFN- $\gamma$ : interferon-gamma; IL-1 $\beta$ : interleukin-1 beta; IL-1RA: interleukin 1 receptor antagonist; IL-6: interleukin 6; IL-10: interleukin 10; IP-10: interferon  $\gamma$ -induced protein 10kDa or C-X-C motif chemokine 10 (CXC10); MCP-1: monocyte chemoattractant protein-1; MCP-3: human monocyte chemotactic protein-3 or chemokine (C-C motif) ligand 7 (CCL7); and TNF- $\alpha$ : tumor necrosis factor alpha. <sup>\*</sup> P < 0.05 SARS-CoV-2 versus non-SARS-CoV-2 infection (Mann-Whitney U Test).

**Table S4.** Supplement – Immunoglobulins IgM and IgG serum concentrations in patients with mild to moderate respiratory SARS-CoV-2 infection

Treatments			Immunoglobulins (relative light units) at 14 <sup>th</sup> day		Immunoglobulins (relative light units) at 28 <sup>th</sup> day	
			IgM	IgG	IgM	IgG <sup>*</sup>
<b>SARS-CoV-2 infection</b>	<b>Tenofovir disoproxyl fumarate (TDF; N=43)</b>	Median	0	11	1	46
		Interquartile range	0-2	4-35	0-2	9-119
	<b>TDF + Emtricitabine (N=38)</b>	Median	0	7	0	44
		Interquartile range	0-1	4-59	0-0	6-119
	<b>Vitamin C placebo (N=41)</b>	Median	0	17	0	56
		Interquartile range	0-1	5-98	0-2	7-234

<sup>\*</sup> P < 0.05 for IgG at 14<sup>th</sup> visit day versus 28<sup>th</sup> visit day for all treatment groups (related-samples Wilcoxon Signed Rank Test).

Members of the Antiretroviral Nucleotide Analogs Study Group in COVID-C19 Study Group - ARTAN-C19.

NAME	E-mail	Function	IES	Department and centers
Aldo Ângelo Moreira Lima	alima@ufc.br	Coordinator	UFC	Fisiologia e Farmacologia, NUBIMED, UFC
Alexandre Havt Bindá	ahavt@ufc.br	Collaborator	UFC	Fisiologia e Farmacologia, NUBIMED, UFC
Ana Karolina dos Santos	anakss@hotmail.com	Laboratory technique	UFC	Nubimed, FAMED-UFC
Armênio Aguiar dos Santos	meno@ufc.br	Collaborator	UFC	Fisiologia e Farmacologia, NUBIMED, UFC
Charles Roberto Sousa de Melo	filhonego@yahoo.com.br	Accounting Assistant	UFC	Nubimed, FAMED-UFC
Charlene Sousa de Melo	charlienemelo@yahoo.com.br	Laboratory technique	UFC	Nubimed, FAMED-UFC
Daniel Sampaio Rodrigues	dsampaio@gmail.com	Nurse	HSJ	Hospital São José, Nubimed, FAMED-UFC
Dayane Feitosa Guedes de Melo	dayaneg.melo@hotmail.com	Technique in nursing	HSJ	Hospital São José, Nubimed, FAMED-UFC
Denise Girão Limaverde Lima		Pharmacist	HSJ	Hospital São José, Nubimed, FAMED-UFC
Djayne Rodrigues de Sousa	djaynerodrigues@gmail.com	Health Agent Coordinator	HSJ	Hospital São José, Nubimed, FAMED-UFC
Érico Antônio Gomes de Arruda	ericoarruda48@gmail.com	Collaborator	HSJ	Hospital São José, SESA, Fortaleza, CE, Brasil
Eurico de Arruda	eaneto@fmrp.usp.br	Collaborator	USP	Biologia Celular, FMRP, USP, RB, São Paulo
Fabiana Maria da Silva Nascimento	etica-upc@ufc.br	Study Coordinator and Ethics Committee	UFC	Nubimed, FAMED-UFC
Francisca Mônica da Silva Nascimento	monquinhasilva@gmail.com	Health Agent Coordinator	HSJ	Hospital São José, Nubimed, FAMED-UFC
Francisco de Sousa Junior	fjunior@yahoo.com.br	Programming Technician	UFC	Nubimed, FAMED-UFC
Giuliano Cesar Clososki	gclososki@usp.br	Collaborator; Faculdade de Ciências Farmacêuticas	UFC	Ribeirão Preto, USP, São Paulo
Herlice Veras do Nascimento	herlicenv@hotmail.com	Laboratory technique	UFC	Nubimed, FAMED-UFC
João Victor Cosmo Machado	contato.joaovictor312@gmail.com	1st Typing	UFC	Nubimed, FAMED-UFC
José Amadeus Sousa	apoio.ufc@gmail.com	Laboratory Technical Maintenance	UFC	Nubimed, FAMED-UFC
José Quirino da Silva Filho/Daniela	jqf_ce@yahoo.com.br	Programming Technician	UFC	Nubimed, FAMED-UFC
Kaique Abraão Luz Alves	kaiqueabraao@hotmail.com	Nurse	HSJ	Hospital São José, Nubimed, FAMED-UFC
Kátia Maria Lima Nogueira	katianog1@yahoo.com.br	Project Administrator	UFC	Nubimed, FAMED-UFC
Lucia de Fátima Alves	luciadefatimaalves60@gmail.com	Health Agent	HSJ	Hospital São José, Nubimed, FAMED-UFC
Luciana França da Silva	lucianafds84@gmail.com	Laboratory technique	UFC	Nubimed, FAMED-UFC
Lyvia M.V.C. Magalhães	lyviacarneiro@hotmail.com	Pharmacist	UFC	Nubimed, FAMED-UFC
Marco Clementino	Marco.Clementino22@gmail.com	Collaborator	UFC	Nubimed, FAMED-UFC
Marenilda Justa da Silva	mary_justa@hotmail.com	Technique in nursing	HSJ	Hospital São José, Nubimed, FAMED-UFC
Maria Jacinilda Rodrigues Pereira	maryjacy@outlook.com	Nurse	HSJ	Hospital São José, Nubimed, FAMED-UFC
Maria Luzia Sousa de Melo	filhonego@gmail.com	Health Agent	HSJ	Hospital São José, Nubimed, FAMED-UFC
Melissa Soares Medeiros	melmedeiros@hotmail.com	Collaborator	HSJ	Hospital São José, SESA, Fortaleza, CE, Brasil
Norberto Peporine Lopes	npelopes@gmail.com	Collaborator	USP	Faculdade de Ciências Farmacêuticas de Ribeirão Preto, USP, São Paulo
Pedro Jorge Caldas Magalhães	pjcmagal@ufc.br	Collaborator	UFC	Fisiologia e Farmacologia, NUBIMED, UFC
Rafhaella N.D.G. Gondim	rafhaellandgg@gmail.com	Pharmacist	UFC	Nubimed, FAMED-UFC
Renan Lobo Cavalcanti	renanlobo@gmail.com	2nd Typing	UFC	Nubimed, FAMED-UFC
Roberto da Justa Pires Neto	robertojusta@gmail.com	Collaborator	UFC	Saúde Comunitária, UFC
Rosania Maria de Paula Silva	paula.rosania@yahoo.com.br	Health Agent	HSJ	Hospital São José, Nubimed, FAMED-UFC
Terezinha Freire França	terezinhafrana45@yahoo.com.br	Laboratory technique	UFC	Nubimed, FAMED-UFC

CPF: Cadastro de Pessoas Físicas; IES: Instituições de Ensino Superior; UFC: Universidade Federal do Ceará; HSJ: Hospital São José; USP: Universidade de São Paulo; FAMED: Faculdade de Medicina; NUBIMED: Núcleo de Biomedicina.

