

Figure S1. Identification of *Leishmania* species in this study using (a) HSP70-PCR. (b) ITS1-PCR. DNA was isolated from promastigotes culture samples. amplified by HSP70-PCR. ITS1-PCR and digested with HaeIII. RFLP patterns of reference strains can be seen in lanes 2-5. Lane 2. *L. (L.) amazonensis*; Lane 3. *L. (V.) braziliensis*; Lane 4. *L. (V.) guyanensis*; Lane 5. *L. infantum*. Lane 6-9. The restriction pattern corresponded to the *L. (L.)amazonensis*. For lanes 1 and 10, a molecular size marker1 kb ladder was used.

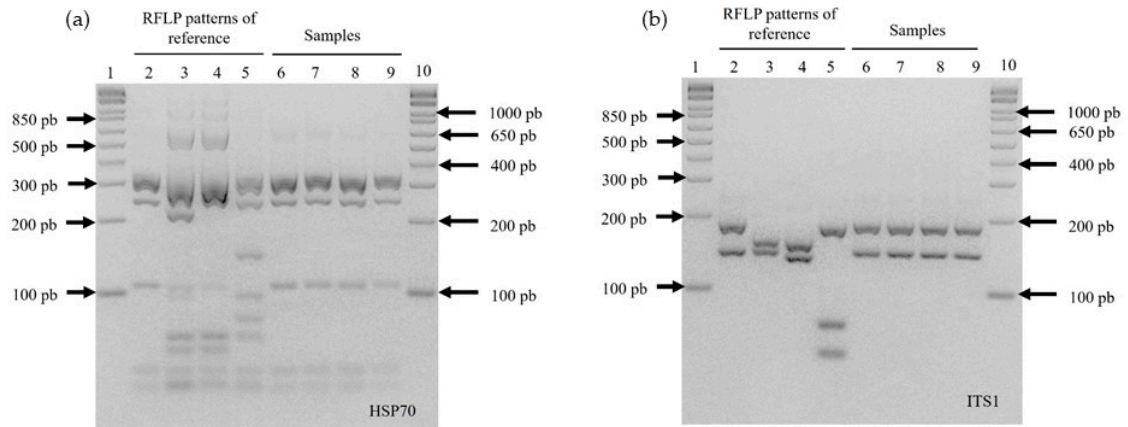


Table S1. Characteristics and intensity of the histopathological variables studied in lesions from mice with CL treated topically with 0.5%MTF-hydrogel. The table shows the intensity [(-): absence. +(1-15/field): mild. ++(16-30/field): moderate. +++(>30/field): severe] of the variables found in the epidermis and dermis at 0-. 12-. 25- and 60-days p.t. Observation in 50 microscopic fields. magnification of 1000x.. Chi-square test ($p > 0.05$).

	D ₀ n = 6 (%)				D ₁₂ n = 6 (%)				D ₂₅ n = 6 (%)				p.t. n = 6 (%)				q
Epidermis	(+++)	(++)	(+)	(-)	(+++)	(++)	(+)	(-)	(+++)	(++)	(+)	(-)	(+++)	(++)	(+)	(-)	
Acanthosis	6(100)	0	0	0	1(16.7)	4(66.7)	1(16.7)	0	0	1(16.7)	5(83.3)	0	2(33.3)	0	2(33.3)	2(33.3)	0.003
Spongiosis	6(100)	0	0	0	1(16.7)	3(50)	1(16.7)	1(16.7)	0	1(16.7)	2(33.3)	3(50)	0	1(16.7)	1(16.7)	4(66.7)	0.003
Hypergranulosis	0	5(83.3)	1(16.7)	0	3(50)	1(16.7)	2(33.3)	0	3(50)	1(16.7)	2(33.3)	0	0	0	2(33.3)	4(66.7)	0.001
Hyperkeratosis	3(50)	3(50)	0	0	0	4(66.7)	2(33.3)	0	1(16.7)	4(66.7)	1(16.7)	0	0	0	3(50)	3(50)	0.008
Parakeratosis	3(50)	1(16.7)	2(33.3)	0	1(16.7)	2(33.3)	3(50)	0	0	3(50)	3(50)	0	0	0	2(33.3)	4(66.7)	0.001
Papillomatosis	0	0	0	6(100)	0	2(33.3)	1(16.7)	3(50)	0	2(33.3)	4(66.7)	0	0	0	1(16.7)	5(83.3)	
R.K	6(100)	0	0	0	6(100)	0	0	0	2(33.3)	2(33.3)	2(33.3)	0	2(33.3)	0	3(50)	1(16.7)	0.030
Dermis	(+++)	(++)	(+)	(-)	(+++)	(++)	(+)	(-)	(+++)	(++)	(+)	(-)	(+++)	(++)	(+)	(-)	
Fibrosis	3(50)	3(50)	0	0	4(66.7)	2(33.3)	0	0	3(50)	2(33.3)	0	1(16.7)	2(33.3)	0	2(33.3)	2(33.3)	N.s
Angiogénesis	3(50)	1(16.7)	2(33.3)	0	3(50)	2(33.3)	1(16.7)	0	0	2(33.3)	1(16.7)	3(50)	0	1(16.7)	2(33.3)	3(50)	N.s
DII	6(100)	0	0	0	6(100)	0	0	0	2(33.3)	0	4(66.7)	0	2(33.3)	0	4(66.7)	0	0.007
Necrosis	3(50)	2(33.3)	1(16.7)	0	2(33.3)	1(16.7)	2(33.3)	1(16.7)	0	0	3(50)	3(50)	0	1(16.7)	1(16.7)	4(66.7)	N.s
Cellular predominance																	
Lymphocytes	6(100)	0	0	0	6(100)	0	0	0	5(83.3)	0	1(16.7)	0	2(33.3)	1(16.7)	3(50)	0	
Plasma cells	6(100)	0	0	0	2(33.3)	4(66.7)	0	0	1(16.7)	2(33.3)	3(50)	0	2(33.3)	1(16.7)	2(33.3)	1(16.7)	0.02
PMN	0	0	3(50)	3(50)	0	0	6(100)	0	0	0	3(50)	3(50)	0	0	2(33.3)	4(66.7)	
macrophages	6(100)	0	0	0	5(83.3)	1(16.7)	0	0	4(66.7)	0	2(33.3)	0	1(16.7)	3(50)	1(16.7)	1(16.7)	0.01
Giant cells	0	0	0	6(100)	0	2(33.3)	4(66.7)	0	0	0	4(66.7)	2(33.3)	0	0	1(16.7)	5(83.3)	
Mast cells	0	0	0	6(100)	0	1(16.7)	3(50)	2(33.3)	0	5(83.3)	1(16.7)	0	0	6(100)	0	0	0.002
Granuloma	0	0	0	6(100)	0	0	1(16.7)	5(83.3)	0	0	4(66.7)	2(33.3)	0	0	2(33.3)	4(66.7)	0.02
Amastigotes	6(100)	0	0	0	0	2(33.3)	3(50)	1(16.7)	0	0	3(50)	3(50)	0	1(16.7)	2(33.3)	3(50)	0.001

n: number of mice; R.K: Reactive keratinocytes ; DII: Diffuse inflammatory infiltrate; PMN: polymorphonuclear ; N.s: Not significant

Table S2. Characteristics and intensity of the histopathological variables studied in lesions of mice with CL treated topically with the vehicle (without MTF). The table shows the intensity [(-): absence. +(1-15/field): mild. ++(16-30/field): moderate. +++(>30/field): severe] of the variables found in the epidermis and dermis at 0-, 12-, 25- and 60-days p.t. Observation in 50 microscopic fields. 1000x magnification. Chi-square test ($p > 0.05$).

	D ₀ <i>n</i> = 4 (%)				D ₁₂ <i>n</i> = 2 (%)				D ₂₅ <i>n</i> = 2 (%)				p.t. <i>n</i> = 2 (%)			
Epidermis	(+++)	(++)	(+)	(-)	(+++)	(++)	(+)	(-)	(+++)	(++)	(+)	(-)	(+++)	(++)	(+)	(-)
Acanthosis	3(75)	1(25)	0	0	2(100)	0	0	0	2(100)	0	0	0	2(100)	0	0	0
Spongiosis	3(75)	0	1(25)	0	2(100)	0	0	0	1(50)	0	1(50)	0	1(50)	1(50)	0	0
Hypergranulosis	0	1(25)	3(75)	0	0	1(50)	1(50)	0	1(50)	1(50)	0	0	0	2(100)	0	0
Hyperkeratosis	1(25)	3(75)	0	0	2(100)	0	0	0	2(100)	0	0	0	1(50)	0	1(50)	0
Parakeratosis	1(25)	0	3(75)	0	1(50)	1(50)			0	0	2(100)	0	1(50)	0	1(50)	0
Papillomatosis	0	0	0	4(100)	0	0	1(50)	1(50)	0	0	0	2(100)	0	0	0	2(100)
R.K	4(100)	0	0	0	2(100)	0	0	0	2(100)	0	0	0	2(100)	0	0	0
Dermis	(+++)	(++)	(+)	(-)	(+++)	(++)	(+)	(-)	(+++)	(++)	(+)	(-)	(+++)	(++)	(+)	(-)
Fibrosis	1(25)	1(25)	2(50)	0	2(100)	0	0	0	1(50)	1(50)	0	0	1(50)	1(50)	0	0
Angiogénesis	3(75)	0	1(25)	0	2(100)	0	0	0	1(50)	1(50)	0	0	1(50)	1(50)	0	0
DII	4(100)	0	0	0	2(100)	0	0	0	2(100)	0	0	0	2(100)	0	0	0
Necrosis	2(50)	2(50)	0	0	2(100)	0	0	0	2(100)	0	0	0	2(100)	0	0	0
Cellular predominance																
Lymphocytes	3(75)	1(25)	0	0	2(100)	0	0	0	2(100)	0	0	0	2(100)	0	0	0
Plasma cells	3(75)	1(25)	0	0	1(50)	1(50)	0	0	2(100)	0	0	0	1(50)	1(50)	0	0
PMN	0	0	2(50)	2(50)	2(100)	0	0	0	0	1(50)	1(50)	0	0	0	2(100)	0
Macrophages	4(100)	0	0	0	2(100)	0	0	0	2(100)	0	0	0	2(100)	0	0	0
Giant cells	0	0	0	4(100)	0	0	0	2(100)	0	0	0	2(100)	0	0	0	2(100)
Mast cells	0	0	0	4(100)	0	0	0	2(100)	0	0	0	2(100)	0	0	0	2(100)
Granuloma	0	0	0	4(100)	0	0	0	2(100)	0	0	0	2(100)	0	0	0	2(100)
Amastigotes	4(100)	0	0	0	2(100)	0	0	0	2(100)	0	0	0	2(100)	0	0	0

R.K: Reactive keratinocytes; DII: Diffuse inflammatory infiltrate; PMN: polymorphonuclear.

