

Table S1: Filters

Data base	Descriptors	Items Found	Time	Date
P U B M E D	#1 Filter wound healing ("wound healing"[MeSH Terms] OR "wound healing"[Title/Abstract])	169,760	14:42:26	13/04/2021
	#2 Filter antioxidants ("antioxidants"[MeSH Terms] OR "antioxidants"[Title/Abstract] OR "oxidative stresses"[Title/Abstract] OR "antioxidative stress"[Title/Abstract] OR "oxidative stress injury"[Title/Abstract])	169,099	14:42:42	13/04/2021
	# 3 Filter inflammation ("inflammation"[MeSH Terms] OR "inflammation mediators"[MeSH Terms])	719,904	14:57:04	13/04/2021
	Total: #1 and #2 and #3 ("wound healing"[MeSH Terms] OR "wound healing"[Title/Abstract]) AND ("antioxidants"[MeSH Terms] OR "antioxidants"[Title/Abstract] OR "oxidative stresses"[Title/Abstract] OR "antioxidative stress"[Title/Abstract] OR "oxidative stress injury"[Title/Abstract]) AND ("inflammation"[MeSH Terms] OR "inflammation mediators"[MeSH Terms])	121	15:05:27	13/04/2021
Data base	Descriptors	Items Found	Time	Date
S C O P U S	#1 Filter wound healing (TITLE-ABS-KEY ("wound healing"))	182,548	15:10:02	13/04/2021
	#2 Filter antioxidants (TITLE-ABS-KEY ("antioxidants")) OR (TITLE-ABS-KEY ("oxidative stresses")) OR (TITLE-ABS-KEY ("antioxidative stress")) OR (TITLE-ABS-KEY ("oxidative stress injury"))	638,662	15:11:04	13/04/2021
	#3 Filter inflammation (TITLE-ABS-KEY ("inflammation")) OR (TITLE-ABS-KEY ("inflammation mediators"))	809,911	15:13:03	13/04/2021
	Total: #1 and #2 and #3 ((TITLE-ABS-KEY ("wound healing"))) AND ((TITLE-ABS-KEY ("antioxidants")) OR (TITLE-ABS-KEY ("oxidative stresses")) OR (TITLE-ABS-KEY ("antioxidative stress")) OR (TITLE-ABS-KEY ("oxidative stress injury"))) AND ((TITLE-ABS-KEY ("inflammation")) OR (TITLE-ABS-KEY ("inflammation mediators"))) AND (LIMIT-TO (EXACTKEYWORD, "Animal Model"))	383	15:16:07	13/04/2021
Data base	Descriptors	Items Found	Time	Date
W E B o f S C I E N C E	#1 Filter wound healing (TS=wound healing)	89,305	15:20:08	13/04/2021
	#2 Filter antioxidants (TS=antioxidants OR TS=oxidative stresses OR TS=antioxidative stress OR TS=oxidative stress injury)	649,047	15:22:39	13/04/2021
	#3 Filter inflammation (TS=inflammation)	623,193	15:24:47	13/04/2021
	#4 Filter animals TS=Mice OR TS=Mouse OR TS=Rat OR TS=Rats OR TS=Dog OR TS=Dogs OR TS=Rabbits OR TS=Murine model OR TS=Guinea pig OR TS=Hamster OR TS=Animal model	4.113,737	15:26:43	13/04/2021

	Total: #1 and #2 and #3 and #4 (TS=wound healing) AND (TS=antioxidants OR TS=oxidative stresses OR TS=antioxidative stress OR TS=oxidative stress injury) and (TS=inflammation) AND (TS=Mice OR TS=Mouse OR TS=Rat OR TS=Rats OR TS=Dog OR TS=Dogs OR TS=Rabbits OR TS=Murine model OR TS=Guinea pig OR TS=Hamster OR TS=Animal model)	541	15:28:35	13/04/2021
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Table S2: Animal model – Rat and mice

<i>Reference</i>	<i>Country</i>	<i>Strain</i>	<i>Sex</i>	<i>Age</i>	<i>Weight</i>	<i>Control group</i>	<i>Ethics Committee</i>	<i>Statistical test</i>
<i>Back et al., 2020</i>	Brazil	Wistar rats	M	2 mo	?	Negative: untreated Positive: Dersani®	Yes	Anova
<i>Dhall et al., 2016</i>	United States of America	C57BL/6 mice	?	24 weeks	?	Negative: untreated	Yes	Anova; Student's t test.
<i>Dwivedi et al., 2017</i>	India	Wistar rats	?	?	160 - 180 g	Negative: DMSO. Positive: Vitamin E	Yes	Anova; hoc Scheffe's test.
<i>Ganeshkumar et al., 2012</i>	India	Wistar rats	M	?	180 - 200 g	Negative: PBS	Yes	Anova
<i>Gangwar et al., 2015</i>	India	Charles Foster albino rats	?	?	150 - 200 g	Negative CMC Positive: Vitamin E	Yes	Anova; Dunnett's test
<i>Gautam et al., 2014</i>	India	Charles-Foster albino rats	M/F	?	180 - 230 g	Negative: CMC Positive: Vitamin E	Yes	Anova; Dunnett's test
<i>Jridi et al., 2017</i>	Tunisia	Wistar rats	?	Youngs	150 - 200 g	Negative: untreated Positive: Cicaflora®	Yes	Anova; Dunnett's test
<i>Kandhare et al., 2015</i>	India	Wistar rats	M	Adults	180-200g	Negative: Did not receive injury; No receive any drug treatment. Positive: framycine sulfate ointment	Yes	Anova; Bonferroni's test
<i>Leu et al., 2012</i>	Taiwan	BALB c/mice	?	8 weeks	?	Negative: untreated	Yes	Student's t-test and Tukey-Kramer
<i>Lim et al., 2006</i>	United States of America	Hairless SKH-1 mice	F	8 weeks 18 months	?	Negative: Exposed to ambient filtered room air	Yes	Anova
<i>Murthy et al., 2013</i>	India	Charles-Foster albino rats	M/F	?	160-180g	Negative: CMC Positive: Vitamin E	Yes	Anova; Dunnett's test
<i>Nafiu & Rahman, 2014</i>	Malaysia	Sprague–Dawley rats	F	Adults	?	Negative: Deionized water Positive: Solcoseryl®	Yes	One way-Anova.
<i>Park et al., 2010</i>	Korea	CrjBgi: CD-1 (ICR) mice	F	4 weeks	?	Negative: Diet no CLA isomers	Yes	Anova; Dunnett's test
<i>Park et al., 2011</i>	Korea	ICR mice	F	4 weeks	?	Negative: untreated	Yes	Duncan's - SPSS Statistics

<i>Patel et al., 2019</i>	Japan	Sprague–Dawley rats	M	9 weeks	290-310g	Negative: blank hydrogels (without drugs)	Yes	Anova
<i>Sarandy et al., 2018</i>	Brazil	Wistar rats (<i>Rattus norvegicus</i>)	M	5 weeks	198,25 ± 26,11g	Negative: saline Positive: silver sulfadiazine	Yes	D'Agostino-Pearson test; Kruskal-Wallis
<i>Schanuel et al., 2020</i>	Brazil	C57bl/6 mice	M	12 weeks	?	Negative: standard (10% energy from fat) chow	Yes	Kolmogorov–Smirnov normality test and The parametric Welch-corrected unpaired t-test and A nonparametric Mann–Whitney test.
<i>Singh et al., 2017</i>	Korea	ICR mice	M	8 weeks	30g	Negative: untreated Positive: Vanillyl alcohol	Yes	Anova
<i>Sungkar et al., 2020</i>	Indonesia	Whistar rats	M	3-4 mo	150-300g	Negative: ?	Yes	Normality test (Shapiro-Wilk test) and One Way Anova.
<i>Yadav et al., 2017</i>	India	Albino Wistar rats	M	Adults	180-200g	Negative: untreated Positive: povidone iodine ointment	Yes	Anova; Dunnett's test
<i>Yadav et al., 2018a</i>	India	Albino Wistar rats	M	Adults	180 ± 20 g	Negative: untreated Positive: povidone iodine ointment	Yes	Anova; Dunnett's test
<i>Yadav et al., 2018b</i>	India	Albino Wistar rats	M	Adults	180-200g	Negative: untreated Positive: povidone iodine ointment	Yes	Anova; Dunnett's test
<i>Zhang & Gould, 2013</i>	United States of America	Sprague–Dawley rats	M	8 weeks	?	Negative: normoxia at sea level	Yes	nQuery Advisor 7.0; Tukey's Test

Table S3: Cutaneous wounds

<i>Reference</i>	<i>Lesion</i>	<i>Site</i>	<i>Antisepsis</i>	<i>Anesthesia</i>	<i>Analgesia</i>	<i>Inst. For Biopsy</i>	<i>Wound N°/size</i>	<i>WH (days)</i>
<i>Back et al., 2020</i>	Excision	Dorsum	?	Xylazine (90 mg/kg) and ketamine (13 mg/kg)	cetoprofen (0.5 mg/kg)	Biopsy punch	2/50mm2	0, 2, 7, and 12
<i>Dhall et al., 2016</i>	Excision	Dorsum	?	?	?	Biopsy punch	?/10 mm2	0, 1, 3, 5, 7, 9, 12, 14
<i>Dwivedi et al., 2017</i>	Excision/Incision	Dorsum	?	?	?	?	?/500 mm2	1, 4, 7, 10, 13, 16, 19,21
<i>Ganeshkumar et al., 2012</i>	Excision/Incision	Dorsum	?	?	?	?	1/20 mm2	0, 4, 8, 12
<i>Gangwar et al., 2015</i>	Excision/Incision	Dorsum	?	Pentobarbitone (35 mg/kg); Ether	?	?	?/~500 mm2	0, 4, 8, 12, 14, 16, 18, 20, 22
<i>Gautam et al., 2014</i>	Excision/Incision	Dorsum	?	ketamine hydrochloride (50mg/kg)	?	?	1/~500 mm2	0, 4, 8, 12, 14, 16, 18, 20, 22, 24
<i>Jridi et al., 2017</i>	Excision	Thoracic region	?	ketamine (100 mg/kg body weight)	?	?	1/~150 mm2	0, 2, 4, 6, 8, 10, 12
<i>Kandhare et al., 2015</i>	Excision	Dorsum	?	80 mg/kg dose of ketamine	?	?	1/300mm2	0, 4, 8, 12, 16, 20
<i>Leu et al., 2012</i>	Excision	Dorsum	Betadine	2 to 2.5% vaporized inhaled isoflurane	?	Scissors and a scalpel	2/ 10 mm2	0, 1, 3, 5, 7
<i>Lim et al., 2006</i>	Excision	Dorsum	?	Isoflurane	?	Biopsy punch	2/ 3.5mm	0, 1, 2, 3, 4, 5, 6, 7, 8, 9
<i>Murthy et al., 2013</i>	Excision/Incision	Dorsum	?	ketamine (30mg/kg, ip)	?	?	1/ ≈500mm2	0, 4, 8, 12, 14, 16, 18, 20, 22
<i>Nafiu & Rahman, 2014</i>	Excision	Dorsum	?	Ethyl ether	?	Biopsy punch	?/6mm	0, 1, 3, 5, 7, 9, 11
<i>Park et al., 2010</i>	Excision	Dorsum	Alcohol	Isoflurane	?	Biopsy punch	2/4mm	0, 1, 2, 3
<i>Park et al., 2011</i>	Excision	Dorsum	?	Isoflurane	?	Biopsy punch	2/4mm	0, 1, 2, 3
<i>Patel et al., 2019</i>	Excision	Dorsum	Saline and ethanol	Isoflurane	?	?	1/20 x 20mm	0, 4, 8
<i>Sarandy et al., 2018</i>	Excision	Dorsum	?	ketamine (60 mg/kg) and xylazine (10 mg/kg)	Pentobarbital (30mg)	Biopsy punch	3/ 12 mm	0, 7, 14, 21
<i>Schanuel et al., 2020</i>	Excision	Dorsum	?	ketamine (150 mg/kg) and xylazine (15 mg/kg)	?	?	1/10 mm2	0, 6, 10
<i>Singh et al., 2017</i>	Excision	Dorsum	?	?	?	?	4/ 8mm2	3, 5, 7
<i>Sungkar et al., 2020</i>	Excision	Dorsum	Alcohol	?	?	?	1/ 20 mm2	?
<i>Yadav et al., 2017</i>	Excision/Incision	Dorsum	Saline	Ethyl ether	?	Scissors and a scalpel	1/ 500 mm2	3, 6, 9, 12, 15, 18
<i>Yadav et al., 2018a</i>	Excision/Incision	Dorsum	Saline	Ethyl ether	?	Scissors and a scalpel	1/ 500 mm2	0, 3, 6, 9, 12, 15, 17
<i>Yadav et al., 2018b</i>	Excision/Incision	Dorsum	Saline	Ethyl ether	?	Scissors and a scalpel	1/ 500 mm2	0, 3, 6, 9, 12, 16
<i>Zhang & Gould, 2013</i>	Excision	?	?	?	?	?	?	?