Appendix: Search method

Pubmed

The search is used in crossing 3 different boolean strategies for defining diagnostic test study with the tests of interest[1], the disease of interest [2], and the specie of interest [3]

[1] (sensitiv\*[Title/Abstract] OR sensitivity and specificity [MeSH Terms] OR diagnos\*[Title/Abstract] OR diagnosis [MeSH:noexp] OR diagnostic\* [MeSH:noexp] OR diagnosis, differential[MeSH:noexp] OR diagnosis [Subheading:noexp]) OR (ELISA OR AGID OR interferon OR IFN OR PCR OR culture)

[2] (Mycobacterium avium subsp. paratuberculosis OR Paratuberculosis OR Johne’s disease) OR (“Mycobacterium avium supsp paratuberculosis” [MeSH] OR “paratuberculosis” [MeSH]

[3] (sheep OR lamb or lambs OR ewe\* OR ram or rams OR ovine) OR (goat\* OR caprine OR buck\*)

The three different items Boolean search will be crossed using the AND operator for obtaining the references: [1] AND [2] AND [3]

CAB Abstract:

The search strategy performed within CAB Abstract will be based on the same strategy.

Search strategy google scholar:

Advanced search tool using “paratuberculosis” and “sensitivity” and with at least one of the words : “sheep goat “ anywhere in the article.

**RECHERCHE FAITE LE 29 MAI 2019**

Concept 1

((sensitiv\*[Title/Abstract] OR sensitivity and specificity [MeSH Terms] OR diagnose [Title/Abstract] OR diagnosed [Title/Abstract] OR diagnoses [Title/Abstract] OR diagnosing [Title/Abstract] OR diagnosing [Title/Abstract] OR diagnosis [Title/Abstract] OR diagnostic [Title/Abstract] OR diagnosis [MeSH:noexp] OR diagnostic\* [MeSH:noexp] OR diagnosis, differential [MeSH:noexp] OR diagnosis [Subheading:noexp]) OR (ELISA OR AGID OR interferon OR IFN OR PCR OR culture)) =6 608 983 hits

(“Mycobacterium avium subsp paratuberculosis” OR “Mycobacterium avium subspecies paratuberculosis” OR “m avium subsp paratuberculosis” OR paratuberculosis OR “Johne’s disease” OR “mycobacterium johnei” OR “m johnei” OR ((“Mycobacterium avium subspecies paratuberculosis” [MeSH] OR “paratuberculosis [MeSH] ) = 3973 hits

((sheep OR lamb or lambs OR ewe\* OR ram or rams OR ovine) OR (goat\* OR caprine OR buck OR bucks)) = 217 996 hits

Recherche pubmed

((sensitiv\*[Title/Abstract] OR sensitivity and specificity [MeSH Terms] OR diagnose [Title/Abstract] OR diagnosed [Title/Abstract] OR diagnoses [Title/Abstract] OR diagnosing [Title/Abstract] OR diagnosing [Title/Abstract] OR diagnosis [Title/Abstract] OR diagnostic [Title/Abstract] OR diagnosis [MeSH:noexp] OR diagnostic\* [MeSH:noexp] OR diagnosis, differential [MeSH:noexp] OR diagnosis [Subheading:noexp]) OR (ELISA OR AGID OR interferon OR IFN OR PCR OR culture)) AND ((“Mycobacterium avium subsp paratuberculosis” OR “Mycobacterium avium subspecies paratuberculosis” OR “m avium subsp paratuberculosis” OR paratuberculosis OR “Johne’s disease” OR “mycobacterium johnei” OR “m johnei” OR ((“Mycobacterium avium subspecies paratuberculosis” [MeSH] OR “paratuberculosis [MeSH] ))

AND ((sheep OR lamb or lambs OR ewe\* OR ram or rams OR ovine) OR (goat\* OR caprine OR buck OR bucks)) => 844 hits

Sur CAB Abstract

[(((sensitiv\* OR sensitivity and specificity OR diagnose OR diagnosed OR diagnoses OR diagnosing OR diagnosing OR diagnosis OR diagnostic OR diagnosis OR diagnostic\* OR diagnosis, differential OR diagnosis OR (ELISA OR AGID OR interferon OR IFN OR PCR OR culture)) AND ((“Mycobacterium avium subsp paratuberculosis” OR “Mycobacterium avium subspecies paratuberculosis” OR “m avium subsp paratuberculosis” OR paratuberculosis OR “Johne’s disease” OR “mycobacterium johnei” OR “m johnei” OR ((“Mycobacterium avium subspecies paratuberculosis” OR “paratuberculosis )) AND ((sheep OR lamb or lambs OR ewe\* OR ram or rams OR ovine) OR (goat\* OR caprine OR buck OR bucks)) )](https://www.cabdirect.org/cabdirect/search/?q=(((sensitiv*%20OR%20sensitivity%20and%20specificity%20OR%20diagnose%20OR%20diagnosed%20OR%20diagnoses%20OR%20diagnosing%20OR%20diagnosing%20OR%20diagnosis%20OR%20diagnostic%20OR%20diagnosis%20OR%20diagnostic*%20OR%20diagnosis,%20%20differential%20OR%20diagnosis%20OR%20(ELISA%20OR%20AGID%20OR%20interferon%20OR%20IFN%20OR%20PCR%20OR%20culture))%20AND%20((%E2%80%9CMycobacterium%20avium%20subsp%20paratuberculosis%E2%80%9D%20OR%20%E2%80%9CMycobacterium%20avium%20subspecies%20paratuberculosis%E2%80%9D%20OR%20%E2%80%9Cm%20avium%20subsp%20paratuberculosis%E2%80%9D%20OR%20paratuberculosis%20OR%20%E2%80%9CJohne%E2%80%99s%20disease%E2%80%9D%20OR%20%E2%80%9Cmycobacterium%20johnei%E2%80%9D%20OR%20%E2%80%9Cm%20johnei%E2%80%9D%20OR%20((%E2%80%9CMycobacterium%20avium%20subspecies%20paratuberculosis%E2%80%9D%20OR%20%E2%80%9Cparatuberculosis%20))%20AND%20((sheep%20OR%20lamb%20or%20lambs%20OR%20ewe*%20OR%20ram%20or%20rams%20OR%20ovine)%20OR%20(goat*%20OR%20caprine%20OR%20buck%20OR%20bucks))%20)&sort=Relevance) = 2950 hits

PROQUEST THESIS

paratuberculosis AND ((sheep OR lamb OR lambs OR ewe\* OR ram OR rams OR ovine) OR (goat\* OR caprine OR buck OR bucks)) AND (sensitivity and specificity OR diagnose OR diagnosed OR diagnoses OR diagnosing OR diagnosing OR diagnosis OR diagnostic OR diagnosis OR diagnostic\* OR diagnosis, differential OR diagnosis OR (ELISA OR AGID OR interferon OR IFN OR PCR OR culture)) =>1014 hits