APPENDIX

Search strategy

**Medline (Ovid):**

(Exp Urinary Tract Infections or (urinary tract infection*).mp or Exp Lower Urinary Tract Symptoms or (storage symptom*).mp) AND (Exp Molecular Diagnostic Techniques or (Molecular Diagnostic Technique*).mp or (Molecular Diagnostic Testing).mp or Exp Polymerase Chain Reaction or (Polymerase Chain Reaction*).mp or PCR.mp or (Inverse PCR).mp or (Inverse Polymerase Chain Reaction).mp or (Nested Polymerase Chain Reaction).mp or (NestPCR.mp or (NestedPCR.mp or (Anchored PCR).mp or (AnchoredPolymerase Chain Reaction).mp or Exp Real-Time Polymerase Chain Reaction or (Real Time Polymerase Chain Reaction).mp or (Real-Time PCR).mp or (Kinetic Polymerase Chain Reaction).mp or (Quantitative Real-Time Polymerase Chain Reaction).mp or (Quantitative Real-Time PCR).mp or Exp Multiplex Polymerase Chain Reaction or (Multiplex PCR).mp or (Multiplex Ligation-Dependent Probe Amplification).mp or (Triplex Polymerase Chain Reaction).mp or (Triplex PCR).mp or Exp Reverse Transcriptase Polymerase Chain Reaction or (Reverse Transcriptase Polymerase Chain Reaction).mp or (Reverse Transcriptase PCR).mp or RT-PCR.mp or Exp Nucleic Acid Amplification Techniques or (Nucleic Acid Amplification Technique*).mp or (RNA Amplification Technique*).mp or (DNA Amplification Technique*).mp or (Nucleic Acid Amplification Test*).mp or Exp Genotyping Techniques or (Genotyping Technique*).mp or (Genotype Assignment Method*).mp or (Genotype Calling Method*).mp or (Genotype Determination Method*).mp or Exp Microarray Analysis or (Microarray Analysis).mp or (Microarray Microchip*).mp or (Nanoarray Analytical Device*).mp or Exp Mass Spectrometry or (Mass Spectroscopy).mp or (Mass Spectrum Analysis).mp or (Mass Spectrometry).mp or Exp Nucleic Acid Hybridization or (Nucleic Acid Hybridization).mp or (Genomic Hybridization).mp or Exp In Situ Hybridization or (In Situ Hybridization*).mp or Exp In Situ Hybridization, Fluorescence or (Fluorescent Hybridization in Situ).mp or (FISH Technique).mp or Exp Ligase Chain Reaction or (Ligase Chain Reaction*).mp or Exp Self-Sustained Sequence Replication or (Self Sustained Sequence Replication*).mp or (Nucleic Acid Sequence-Based Amplification*).mp or (NASBA Analysis).mp or Immunoassay*).mp or (Immunochromatographic Assay*).mp or (Flow Cytometry).mp or (Flow Microfluorometr*).mp or (Flow Cytometry).mp or (Fluorescence Activated Cell Sorting*).mp AND (randomized controlled trial.pt or controlled clinical trial.pt or randomized.ab or placebo.ab or randomly.ab or trial.ab or (clinical adj2 trial).mp or (randomi*ed adj2 controlled adj2 trial).mp or exp double-blind method or exp cohort studies or (cohort* adj2 stud*).mp or exp cross-sectional studies or (cross*section* adj2 stud*).mp or exp case-control studies or (case*control adj2 stud*).mp)

**Embase:**

(('urinary tract infection'/exp or 'urinary tract infection*':ti,ab or 'lower urinary tract symptom'/exp or 'storage symptom*':ti,ab) AND ('molecular diagnosis'/exp or 'Molecular Diagnostic Technique*':ti,ab or 'Molecular Diagnostic Testing':ti,ab or 'polymerase chain reaction'/exp or 'Polymerase Chain Reaction*':ti,ab or PCR:ti,ab or 'Inverse PCR':ti,ab or 'Inverse Polymerase...
Chain Reaction':ti,ab or 'Nested Polymerase Chain Reaction':ti,ab or 'Nested PCR':ti,ab or 'Nested PCR':ti,ab or 'Anchored PCR':ti,ab or 'Anchored Polymerase Chain Reaction':ti,ab or 'Real Time Polymerase Chain Reaction':ti,ab or 'Real-Time PCR':ti,ab or 'Kinetic Polymerase Chain Reaction':ti,ab or 'Quantitative Real-Time Polymerase Chain Reaction':ti,ab or 'Quantitative Real-Time PCR':ti,ab or 'multiplex polymerase chain reaction'/exp or 'Real Time Polymerase Chain Reaction':ti,ab or 'Real-Time PCR':ti,ab or 'Kinetic Polymerase Chain Reaction':ti,ab or 'Quantitative Real-Time Polymerase Chain Reaction':ti,ab or 'Quantitative Real-Time PCR':ti,ab or 'multiplex polymerase chain reaction'/exp or 'Multiplex PCR':ti,ab or 'Multiplex Ligation-Dependent Probe Amplification':ti,ab or 'Triplex Polymerase Chain Reaction':ti,ab or 'Triplex PCR':ti,ab or 'reverse transcription polymerase chain reaction'/exp or 'Reverse Transcriptase Polymerase Chain Reaction':ti,ab or 'Reverse Transcriptase PCR':ti,ab or RT-PCR:ti,ab or 'nucleic acid amplification'/exp or 'Nucleic Acid Amplification Technique*':ti,ab or 'RNA Amplification Technique*':ti,ab or 'DNA Amplification Technique*':ti,ab or 'Nucleic Acid Amplification Test*':ti,ab or 'genotyping technique'/exp or 'Genotyping Technique*':ti,ab or 'Genotype Assignment Method*':ti,ab or 'Genotype Calling Method*':ti,ab or 'Genotype Determination Method*':ti,ab or microarray analysis'/exp or 'Microarray Analysis':ti,ab or 'Microarray Microchip':ti,ab or 'Nanoarray Analytical Device*':ti,ab or 'mass spectrometry'/exp or 'Mass Spectroscopy':ti,ab or 'Mass Spectrum Analysis':ti,ab or 'Mass Spectrometry':ti,ab or 'nucleic acid hybridization'/exp or 'Nucleic Acid Hybridization':ti,ab or 'Genomic Hybridization':ti,ab or 'in situ hybridization'/exp or 'In Situ Hybridization*':ti,ab or 'fluorescence in situ hybridization'/exp or 'Fluorescent Hybridization in Situ':ti,ab or 'FISH Technique':ti,ab or 'ligase chain reaction'/exp or 'Ligase Chain Reaction*':ti,ab or 'self-sustained sequence replication'/exp or 'Self Sustained Sequence Replication*':ti,ab or 'Nucleic Acid Sequence-Based Amplification*':ti,ab or 'NASBA Analysis':ti,ab or 'Immunochromatographic Assay*':ti,ab or 'Flow Cytometry':ti,ab or 'Flow Microfluorometer*':ti,ab or 'Flow Cytometer*':ti,ab or 'Fluorescence Activated Cell Sorting*':ti,ab and ('randomized controlled trial'/exp or 'randomized NEXT/2 controlled NEXT/2 trial':ti,ab or 'clinical trial'/exp or (clinical NEXT/2 trial):ti,ab or 'double blind procedure'/exp or 'cohort analysis'/exp or 'case control study'/exp or 'cross-sectional study'/exp or (cohort*:next/2 stud*):ti,ab or (case*:control next/2 stud*):ti,ab or (Cross*:section* next/2 stud*):ti,ab)) AND [embase]/lim

Central (Ovid):

(Exp Urinary Tract Infections or (urinary tract infection*).mp) AND (Exp Molecular Diagnostic Techniques or (Molecular Diagnostic Technique*).mp or (Molecular Diagnostic Testing).mp or Exp Polymerase Chain Reaction or (Polymerase Chain Reaction*).mp or PCR.mp or (Inverse PCR).mp or (Inverse Polymerase Chain Reaction).mp or (Nested Polymerase Chain Reaction).mp or PCR.mp or (Nested PCR).mp or (Anchored PCR).mp or (Anchored Polymerase Chain Reaction).mp or Exp Real-Time Polymerase Chain Reaction or (Real Time Polymerase Chain Reaction).mp or (Real-Time PCR).mp or (Kinetic Polymerase Chain Reaction).mp or (Quantitative Real-Time Polymerase Chain Reaction).mp or (Quantitative Real-Time PCR).mp or Exp Multiplex Polymerase Chain Reaction or (Multiplex PCR).mp or (Multiplex Ligation-Dependent Probe Amplification).mp or (Triplex Polymerase Chain Reaction).mp or (Triplex PCR).mp or Exp Reverse Transcriptase Polymerase Chain Reaction or (Reverse Transcriptase
Guzmán Robledo X, et al. Accuracy of molecular diagnostic techniques in patients with a confirmed urine culture: A systematic review and meta-analysis

Polymerase Chain Reaction).mp or (Reverse Transcriptase PCR).mp or RT-PCR.mp or Exp Nucleic Acid Amplification Techniques or (Nucleic Acid Amplification Technique*).mp or (RNA Amplification Technique*).mp or (DNA Amplification Technique*).mp or (Nucleic Acid Amplification Test*).mp or Exp Genotyping Techniques or (Genotyping Technique*).mp or (Genotype Assignment Method*).mp or (Genotype Calling Method*).mp or (Genotype Determination Method*).mp or Exp Microarray Analysis or (Microarray Analysis).mp or (Microarray Microchip*).mp or (Nanoarray Analytical Device*).mp or Exp Mass Spectrometry or (Mass Spectroscopy).mp or (Mass Spectrum Analysis).mp or (Mass Spectrometry).mp or Exp Nucleic Acid Hybridization or (Nucleic Acid Hybridization).mp or (Genomic Hybridization).mp or Exp In Situ Hybridization or (In Situ Hybridization*).mp or Exp In Situ Hybridization, Fluorescence or (Fluorescent Hybridization in Situ).mp or (FISH Technique).mp or Exp Ligase Chain Reaction or (Ligase Chain Reaction*).mp or Exp Self-Sustained Sequence Replication or (Self Sustained Sequence Replication*).mp or (Nucleic Acid Sequence-Based Amplification*).mp or (NASBA Analysis).mp or Immunoassay*.mp or (Immunochromatographic Assay*).mp or (Flow Cytometry).mp or (Flow Microfluorometr*).mp or (Flow Cytometr*).mp or (Fluorescence Activated Cell Sorting*).mp)