|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Study** | **Sample type** | **Screening method** | **Speciation method** | **ESBL confirmation method** |
| Ruppe 2009 | Stool | Drigalski and chromagar | NR | Double disc |
| Tande 2009 | Stool | Drigalski with cephalosporin | API | Double disc |
| Andriatahina 2010 | Rectal Swab | Drigalski with cephalosporin | API | Double disc |
| Herindrainy 2011 | Stool | Drigalski with cephalosporin | API | Double disc |
| Woerther 2011 | Stool | Chromagar | API | PCR |
| Albrechtova 2012 | Rectal Swab | Mackonkey with cephalosporin | API | Double disc |
| Isendahl 2012 | Rectal Swab | Chromagar | Vitek | Vitek |
| Lonchel 2012 | Stool | Mackonkey or Drigalski and cephalosporin | MALDI-TOF | Double disc |
| Lonchel 2013 | Stool | Mackonkey or Drigalski and cephalosporin | MALDI-TOF | Double disc |
| Magoue 2013 | Stool | Mackonkey or Drigalski and cephalosporin | NR | Double disc |
| Schaumburg 2013 | Rectal Swab | Chromagar | Vitek | Double disc |
| Nelson 2014 | Rectal Swab | Mackonkey with cephalosporin | Biochemical | Double disc |
| Chereau 2015 | Stool | Drigalski with cephalosporin | API | Double disc |
| Desta 2016 | Stool | Chromagar | Vitek | Vitek |
| Djuikoue 2016 | Stool | Drigalski with cephalosporin | MALDI-TOF | Double disc |
| Farra 2016 | Stool | Chromagar | NR | Double disc |
| Kurz 2016 | Rectal Swab | Chromagar | API | Combination disc |
| Mshana 2016 | Stool | Mackonkey with cephalosporin | API | Chromagar and vitek |
| Ribeiro 2016 | Stool | Chromagar | MALDI-TOF | PCR |
| Tellevik, 2016 | Stool | Chromagar | MALDI-TOF | Combination disc |
| Magwenzi 2017 | Stool or Rectal Swab | Chromagar and Mackonkey with cephalosporin and nutrient broth with cephalosporin | API | Double disc |
| Moremi 2017 | Stool | Mackonkey with cephalosporin | Biochemical | Double disc |
| Wilmore 2017 | Stool | CLEDwith cephalosproin | API and MALDI | Combination disc |
| Chirindze 2018 | Stool | Mackonkey with cephalosporin | API | Double disc |
| Founou 2018 | Rectal Swab | Mackonkey with cephalosporin | API | Combination disc |
| Herindrainy 2018 | Stool or Rectal Swab | Chromagar | MALDI-TOF | Double disc |
| Katakweba 2018 | Stool | Mackonkey with cephalosporin | MALDI-TOF | Double disc |
| Marando 2018 | Rectal swab | Mackonkey with cephalosporin | Biochemical | Double disc |
| Moremi 2018 | Rectal swab | Mackonkey with cephalosporin | vitek | vitek |
| Nikema Pessinaba 2018 | Stool | Drigalski with cephalosporin | NR | NR |
| Sanneh 2018 | Stool | Drigalski And Cephalosporin | NR | Double disc |
| Stanley 2018 | Stool | AST | BD phoenix | BD phoenix |

Supplementary table S1: details of microbiologic testing procedures.



Supplementary figure S2: Overall ESBL-E colonization prevalence by study.



Supplementary Figure S3: ESBL-E carriage prevalence stratified by age group.