

**S3 Table. POC-CCA for the diagnosis of human schistosomiasis in Brazil**

| Reference                            | Index test | Sample type used for the index test | Reference test               | Reference test specification: number of slides, number of samples | Total number of cases | Total number of non-cases | Sensitivity (%) | Specificity (%) |
|--------------------------------------|------------|-------------------------------------|------------------------------|-------------------------------------------------------------------|-----------------------|---------------------------|-----------------|-----------------|
| Coelho et al. (2016) <sup>49</sup>   | POC-CCA T+ | Urine                               | Kato-Katz or saline gradient | 24 slides, 1 sample (Kato-Katz) and 1g (saline gradient)          | 18                    | 66                        | 6.0             | 100             |
| Coelho et al. (2016) <sup>49</sup>   | POC-CCA T+ | Lyophilized urine                   | Kato-Katz or saline gradient | 25 slides, 1 sample (Kato-Katz) and 1g (saline gradient)          | 18                    | 66                        | 56.0            | 83.0            |
| Siqueira et al. (2016) <sup>50</sup> | POC-CCA T+ | Urine                               | Kato-Katz or saline gradient | 24 slides, 1 sample + 2 aliquots, 1 sample                        | 34                    | 107                       | 73.5            | 93.5            |
| Siqueira et al. (2016) <sup>50</sup> | POC-CCA T+ | Urine                               | Kato-Katz                    | 24 slides, 1 sample                                               | 27                    | 114                       | 77.8            | 90.4            |
| Siqueira et al. (2016) <sup>50</sup> | POC-CCA T+ | Urine                               | Saline gradient              | 2 alíquotas, 1 sample                                             | 24                    | 117                       | 83.3            | 89.7            |
| Siqueira et al. (2016) <sup>50</sup> | POC-CCA T+ | Urine                               | Kato-Katz                    | 2 slides, 1 sample                                                | 15                    | 126                       | 86.7            | 84.9            |
| Ferreira et al. (2017) <sup>51</sup> | POC-CCA T+ | Urine                               | Kato-Katz                    | 13 slides, 3 samples                                              | 26                    | 274                       | 57.7            | 75.5            |
| Ferreira et al. (2017) <sup>51</sup> | POC-CCA T+ | Urine                               | Kato-Katz                    | 1 slide, 1 sample                                                 | 14                    | 286                       | 64.3            | 74.5            |
| Ferreira et al. (2017) <sup>51</sup> | POC-CCA T+ | Urine                               | Kato-Katz                    | 4 slides, 2 samples                                               | 21                    | 279                       | 52.4            | 75.3            |

|                                      |            |                   |                                           |                                                                 |     |     |      |      |
|--------------------------------------|------------|-------------------|-------------------------------------------|-----------------------------------------------------------------|-----|-----|------|------|
| Ferreira et al. (2017) <sup>51</sup> | POC-CCA T+ | Urine             | Kato-Katz                                 | 6 slides, 3 samples                                             | 26  | 274 | 55.5 | 75.7 |
| Ferreira et al. (2017) <sup>51</sup> | POC-CCA T+ | Urine             | Kato-Katz                                 | 2 slides, 1 sample                                              | 18  | 282 | 61.1 | 74.8 |
| Lindholz et al. (2018) <sup>16</sup> | POC-CCA T- | Urine             | Kato-Katz                                 | 2 slides, 1 sample                                              | 55  | 406 | 72.7 | 63.8 |
| Lindholz et al. (2018) <sup>16</sup> | POC-CCA T- | Urine             | Helmintex                                 | 1 sample                                                        | 187 | 274 | 57.2 | 70.8 |
| Lindholz et al. (2018) <sup>16</sup> | POC-CCA T+ | Urine             | Kato-Katz                                 | 2 slides, 1 sample                                              | 55  | 406 | 85.5 | 30.3 |
| Lindholz et al. (2018) <sup>16</sup> | POC-CCA T+ | Urine             | Helmintex                                 | 1 sample                                                        | 187 | 274 | 81.8 | 35.4 |
| Oliveira et al. (2018) <sup>17</sup> | POC-CCA T- | Urine             | Kato-Katz, saline gradient and Helmintex  | 18 slides (Kato-Katz), 500mg (saline gradient), 30g (Helmintex) | 112 | 116 | 26.8 | 98.3 |
| Oliveira et al. (2018) <sup>17</sup> | POC-CCA T+ | Urine             | Kato-Katz or saline gradient or helmintex | 18 slides (Kato-Katz), 500mg (saline gradient), 30g (Helmintex) | 112 | 116 | 65.2 | 69.8 |
| Queiroz et al. (2018) <sup>53</sup>  | POC-CCA    | lyophilized urine | Kato-Katz and Gradiente Salino            | 24 slides, 1 sample + 2 aliquots, 1 sample                      | 32  | 52  | 56   | 83   |
| Queiroz et al. (2018) <sup>53</sup>  | POC-CCA    | Urine             | Kato-Katz and saline gradient             | 24 slides, 1 sample + 2 aliquots, 1 sample                      | 32  | 52  | 6.0  | 100  |
| Grenfell et al. (2019) <sup>9</sup>  | POC-CCA T- | Urine             | Kato-Katz and saline gradient             | 24 slides (Kato-Katz) + 2                                       | 21  | 27  | 23.8 | 81.5 |

|                                        |                |                       |                                  | analyses of<br>500mg                                                  |    |     |      |      |
|----------------------------------------|----------------|-----------------------|----------------------------------|-----------------------------------------------------------------------|----|-----|------|------|
| Grenfell et al.<br>(2019) <sup>9</sup> | POC-<br>CCA    | Concentrated<br>urine | Kato-Katz and<br>saline gradient | 24 slides (Kato-<br>Katz) + 2<br>analyses of<br>500mg                 | 21 | 27  | 76.2 | 85.2 |
| Grenfell et al.<br>(2019) <sup>9</sup> | POC-<br>CCA T+ | Urine                 | Kato-Katz or<br>saline gradient  | 24 slides (Kato-<br>Katz) + 2<br>analyses of<br>500mg                 | 21 | 27  | 81.0 | 59.3 |
| Grenfell et al.<br>(2019) <sup>9</sup> | POC-<br>ECO T+ | Urine                 | Kato-Katz and<br>saline gradient | 24 slides (Kato-<br>Katz) + 2<br>analyses of<br>500mg                 | 21 | 27  | 33.3 | 70.4 |
| Grenfell et al.<br>(2019) <sup>9</sup> | POC-<br>ECO T- | Urine                 | Kato-Katz and<br>saline gradient | 24 slides (Kato-<br>Katz) + 2<br>analyses of<br>500mg                 | 21 | 27  | 14.3 | 78.0 |
| Souza et al.<br>(2019) <sup>55</sup>   | POC-<br>CCA T- | Urine                 | Kato-Katz                        | 16 slides, 3<br>samples                                               | 35 | 338 | 17.1 | 97.0 |
| Souza et al.<br>(2019) <sup>55</sup>   | POC-<br>CCA T+ | Urine                 | Kato-Katz                        | 1 slide, 1 sample                                                     | 9  | 363 | 55.6 | 76.9 |
| Souza et al.<br>(2019) <sup>55</sup>   | POC-<br>CCA T+ | Urine                 | Kato-Katz                        | 6 slides, 3<br>samples                                                | 24 | 348 | 58.3 | 78.4 |
| Souza et al.<br>(2019) <sup>55</sup>   | POC-<br>CCA T+ | Urine                 | Kato-Katz                        | 16 slides, 3<br>samples                                               | 35 | 337 | 65.7 | 80.4 |
| Sousa et al.<br>(2020) <sup>55</sup>   | POC-<br>CCA T- | Urine                 | Kato-Katz and<br>Helmintex       | 16 slides (12<br>slides first<br>sample + 2 slides<br>second sample + | 63 | 154 | 36.5 | 90.9 |

|                                     |            |       |                         |                                                                                                                    |    |     |      |      |
|-------------------------------------|------------|-------|-------------------------|--------------------------------------------------------------------------------------------------------------------|----|-----|------|------|
|                                     |            |       |                         | 2 slides third sample) + 30g of feces for Helmintex                                                                |    |     |      |      |
| Sousa et al. (2020) <sup>55</sup>   | POC-CCA T+ | Urine | Kato-Katz and Helmintex | 16 slides (12 slides first samples + 2 slides second samples + 2 slides third sample) + 30g of feces for Helmintex | 63 | 154 | 61.9 | 74.0 |
| Sousa et al. (2020) <sup>55</sup>   | POC-CCA T+ | Urine | Helmintex               | 1 sample                                                                                                           | 53 | 164 | 56.6 | 70.1 |
| Sousa et al. (2020) <sup>55</sup>   | POC-CCA T+ | Urine | Kato-Katz               | 1 slide, 1 sample                                                                                                  | 12 | 205 | 83.3 | 66.3 |
| Sousa et al. (2020) <sup>55</sup>   | POC-CCA T+ | Urine | Kato-Katz               | 2 slides, 1 sample                                                                                                 | 17 | 200 | 88.2 | 68.0 |
| Sousa et al. (2020) <sup>55</sup>   | POC-CCA T+ | Urine | Kato-Katz               | 16 slides (12 slides first sample + 2 slides second samples + 2 slides third sample)                               | 31 | 186 | 80.6 | 71.0 |
| Bezerra et al. (2021) <sup>20</sup> | POC-CCA T- | Urine | Kato-Katz               | 6 slides, 3 samples                                                                                                | 62 | 65  | 74.2 | 83.1 |
| Bezerra et al. (2021) <sup>20</sup> | POC-CCA T+ | Urine | Kato-Katz               | 6 slides, 3 samples                                                                                                | 62 | 65  | 85.5 | 52.3 |

|                                      |                |       |                        |          |     |      |      |      |
|--------------------------------------|----------------|-------|------------------------|----------|-----|------|------|------|
| Pieri et al.<br>(2023) <sup>61</sup> | POC-<br>ECO T- | Urine | Helmintex <sup>®</sup> | 1 sample | 424 | 1471 | 57.8 | 80.6 |
| Pieri et al.<br>(2023) <sup>61</sup> | POC-<br>ECO T+ | Urine | Helmintex <sup>®</sup> | 1 sample | 424 | 1471 | 80.2 | 55.0 |
| Ramos et al.<br>(2024) <sup>19</sup> | ICT<br>IgG/IgM | Serum | Helmintex <sup>®</sup> | 1 sample | 70  | 117  | 95.7 | 18.8 |