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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | | Rapid Antigen Test (RATS) Requests 2021  \*\*Prices shown are current as at 19 November 2021 but are subject to change\*\*  For enquiries Tel 8425 9200 or email: HealthPSCMSCOCustomerService@sa.gov.au | | | | | |
|  | | Ordering Department Sub-Department: | | | | | | |
|  | | Order Placed By: Tel: Email: | | | | | | |
|  | | Supervisor Approving: Tel: | | | | | | |
|  | | ***Delivery Address:*** | | | | | | |
|  | | ***\*Our Reference/Purchase Order Number:*** | | | | | | |
| Oracle Item  Number | Description | | | Carton Size (No. of Tests Per Carton) | Individual Test Price | Cost Per Carton | No of Cartons |
| 19049610 | Rapid Antigen Test - Manufacturer: CTK Biotech - Test name: Onsite COVID-19 Antigen Rapid Test | | | 800 | $3.30 | $2,640.00 |  |
| 19049611 | Rapid Antigen Test – Manufacturer: MP Biomedicals – Test Name: Rapid SARS-CoV2 Antigen Test | | | 1,000 | $4.12 | $4,120.00 |  |
| 19049601 | Rapid Antigen Test - Manufacturer: Innovation Scientific - InnoScreen Covid-19 Antigen Rapid Test Device | | | 400 | $4.16 | $1,664.00 |  |
| 19049618 | Rapid Antigen Test - Manufacturer: Roche - Test name: SD Biosensor | | | 225 | $6.82 | $1,534.50 |  |
| 19049609 | Rapid Antigen Test - Manufacturer: Abbott - Test name: Abbott-PanBio COVID-19 Antigen Rapid Test | | | 800 | $7.15 | $5,720.00 |  |

Notes:

1) RATS are available from various manufacturers to assist with product availability.

2) The technical summary below provides a high-level overview of the above tests.

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| **South Australian Supplier** Surgical and Medical Supplies Pty Ltd    CTK Biotech  Chinese Made by USA Owned Facility | Rapid SARS CoV-2Antigen Test Kit - MP Biomedicals – WestLab  Manufactured in Singapore | **Australian Made and Supplied:** Innovation Scientific Pty Ltd  APPROVED BY TGA TO MENTION EFFECTIVENESS WITH ASYMPTOMATIC CASES ON PACKAGING | Roche – SD Biosensor  South Korean made. | Abbott-PanBio  South Korean Made by German Owned Facility |
| 94.7% Sensitivity  100% Specificity | 98.18% Sensitivity  100% Specificity | 98.80% Sensitivity  99.25% Specificity | 95.5 % Sensitivity  99.2 % Specificity | Sensitivity: 98.1%  Specificity: 99.8%. |
| Nasopharyngeal swab (NP swab) and  Nasal Swab | Nasopharyngeal swab (NP swab) and  Nasal Swab | Nasopharyngeal swab (NP swab) and  Nasal Swab | Nasopharygneal  Combined NP/Ora-Pharynx | Nasopharyngeal swab (NP swab) and  Nasal Swab |
| Study Sample Size: 643 | Study Sample Size: 833 | Study Sample Size: 1437 | Study Sample Size: 976 | Study Sample Size: 426 |
| Buffer prefilled in the vial | Buffer prefilled in the vial | Buffer prefilled in the vial | Buffer prefilled in the vial | Buffer not prefilled in the vial |
| Limit of Detection:  140 TCID50/mL. | Limit of Detection:  130 TCID50/mL | Limit of Detection:  126 TCID50/mL. | Limit of Detection:  495 TCID50/mL | Limit of Detection:  157TCID50/ml |
| Development Time: 15 Minutes | Development Time: 15 Minutes | Development Time: 15 Minutes | Development Time: 15 Minutes | Development Time: 15 Minutes |
| Known Users:  Coles (for internal staff. Have ordered 500K tests)  Currently short listed for Victorian State Government Tender  Sydney Private Hospital  Waverly Private Hospital  Sydney South West Private Hospital  Gordon Private Hospital  Melbourne Metro Tunnel Project  Aged Care Services (representing 50 plus aged care facilities) | Known Users:  St John of God Healthcare  NHS, United Kingdom (Validated Phase IIIA for National Funding)  Aldi Foods, Aurelia Metals, Thomas Foods  RMIT Medical Hub  Whitehaven Coal  Logic Health  Medical Edge  Allied Pinnacle  Government of the Netherlands  Ryman Healthcare, Chemist Warehouse | Known Users:  1. Royal Australian Navy  2. Australian Rail and Track Corporation (ARTC)  3. Department of Home Affairs  4 Australian Criminal and Intelligence Commission  5. Victorian Prisons  6. One Rail  7. TOLL Logistics  8. Australian Parliament House Canberra  9. Parliament House, Sydney  10. EMS Helipro for Fiji  11. EMS Australia | Known Users:  NSW Health  Passed UK Gov/Oxford Study | Known Users:  Passed UK Gov/Oxford Study |

**DEFINITIONS**

**Sensitivity:** relates to how well a test can detect the presence of COVID-19 disease (the percentage of true positive results in patients who have the disease). Higher test sensitivity equates a lower rate of false negative results.

**Specificity:** relates to how well a test can confirm the absence of COVID-19 infection. It indicates the percentage of true negative results in patients who don’t have the disease. Higher specificity will mean a lower rate of false positive results for the test.

**Limit of Detection:** Is the number of Covid-19 particles that need to be present for the test to detect them. Generally speaking, a lower number is better.

**Development Time:** How long it takes after putting the buffer solution and the test sample onto the testing plate, until a test result is obtained.