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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 ItemNumber | 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 BiotechChinese Made by USA Owned Facility | Rapid SARS CoV-2Antigen Test Kit - MP Biomedicals – WestLabManufactured in Singapore | **Australian Made and Supplied:** Innovation Scientific Pty LtdAPPROVED BY TGA TO MENTION EFFECTIVENESS WITH ASYMPTOMATIC CASES ON PACKAGING | Roche – SD BiosensorSouth Korean made. | Abbott-PanBioSouth Korean Made by German Owned Facility |
| 94.7% Sensitivity100% Specificity | 98.18% Sensitivity 100% Specificity  | 98.80% Sensitivity99.25% Specificity | 95.5 % Sensitivity99.2 % 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 | NasopharygnealCombined 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 TenderSydney Private HospitalWaverly Private HospitalSydney South West Private HospitalGordon Private HospitalMelbourne Metro Tunnel ProjectAged Care Services (representing 50 plus aged care facilities) | Known Users:St John of God HealthcareNHS, United Kingdom (Validated Phase IIIA for National Funding)Aldi Foods, Aurelia Metals, Thomas FoodsRMIT Medical HubWhitehaven CoalLogic HealthMedical EdgeAllied PinnacleGovernment of the NetherlandsRyman Healthcare, Chemist Warehouse  | Known Users:1. Royal Australian Navy2. Australian Rail and Track Corporation (ARTC)3. Department of Home Affairs4 Australian Criminal and Intelligence Commission5. Victorian Prisons6. One Rail7. TOLL Logistics 8. Australian Parliament House Canberra9. Parliament House, Sydney10. EMS Helipro for Fiji11. EMS Australia  | Known Users:NSW HealthPassed 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.