

# Award-winning diagnostic solutions



The SmartSpot patented technology enables the packaging of inactivated specimens on a simple spot on a card, which is easily and safely tested like a patient's clinical specimen.

**SMARTSPOT QUALITY IS AN ISO/IEC 17043:2010 ACCREDITED PROFICIENCY TESTING SCHEME PROVIDER**



## EQA

External Quality Assessment provides ongoing quality monitoring of diagnostics, from pre- to post-analytical processing. SmartSpot Quality's EQA Programs run three times per year per instrument.

## Internal Controls

Monthly Quality Control (QC) provides performance monitoring of test kits and personnel, four times per month.



## Validation

Assay Validation is designed to test Precision and Accuracy of new assays.

## Verification

Instrument verification involves testing standardized material on a diagnostic instrument to ensure that it is 'fit-for-purpose' before clinical specimens can be tested. Verification is recommended upon installation, post-calibration and post-relocation.

## Why our programs are industry leading

Controls are stable at ambient temperatures for up to **36 months** reducing shipping by 67% and mitigating the risk of damage to the controls.

In-depth support to laboratories via **video conferencing**, providing technical guidance and general operational advice.







Online **Quality Assessment Tool** provided for submitting EQA and Verification results and reviewing performance.

**14 work days** or real-time turnaround for Participant Reports. Group management reports with **analytics and insights**.

# Tuberculosis

SmartSpot Quality provides the largest commercially available Molecular *Mycobacterium Tuberculosis* EQA program globally with instruments enrolled across 35 countries.

All controls are non-infectious and stable at ambient temperature for 12-36 months\*.

EQA	Name	Quantity Per Cycle	Catalogue #
	Xpert MTB EQA Program (3 Cycles) Fluorotype MTB MDR EQA (3 Cycles)	4 Spots	SSQ-X-MTBRIF-EQA SSQ-F-MTBMDR-EQA
	Xpert MTB XDR EQA Program (3 Cycles) Fluorotype MTB XDR EQA (3 Cycles)	4 Spots	SSQ-X-MTBXDR-EQA SSQ-F-MTBXDR-EQA
	LPA MTBDR <i>plus</i> EQA Program (3 Cycles) LPA MTBDR <i>s/</i> EQA Program (3 Cycles)	4 Spots & 5 Strips	SSQ-LPA-MTBDR <i>plus</i> -EQA SSQ-LPA-MTBDR <i>s/</i> -EQA
	Urine TB LF-LAM EQA Program (3 Cycles) <i>(Pre-accreditation)*</i>	4 Vials <i>(Not yet accredited)</i>	SSQ-LFLAM-MTB-EQA
	MTBC LAMP EQA Program (3 Cycles)	4 Spots	SSQ-LAMP-MTBC-EQA
	Truenat MTB RIF EQA Program (3 Cycles)	4 Spots	SSQ-TN-MTBRIF-EQA










\* Urine TB LF-LAM EQA Controls are in pre-accreditation (Scheduled for inclusion in SmartSpot's scope of accreditation by 15 February 2024) and stability studies are ongoing.

**Note:** Each participant's results are kept confidential and can only be accessed using a personalised username and password. Where participants are part of a laboratory group, the group's management team is provided access to each of the laboratories within their group for management and review purposes.

# Tuberculosis

SmartSpot Quality provides a range of Verification and Validation Panels for TB Diagnostics. For custom requirements, please contact us at [info@SmartSpotQ.com](mailto:info@SmartSpotQ.com).

All controls are non-infectious and stable at ambient temperature for 12-36 months\*.

VERIFICATION	Name	Quantity	Catalogue #
	Xpert MTB Verification Panel	1 Spot	SSQ-X-MTBRIF-VRF-1
	Xpert MTB Verification Panel	5 Spots	SSQ-X-MTBRIF-VRF-5
	Xpert MTB Ultra Verification Panel	4 Spots	SSQ-X-MTBRIF_ULTRA-VRF
	Xpert MTB XDR Validation Panel Fluorotype XDR Validation Panel	25 Spots	VP-DCS25MTB/XDR VF-DCS25MTB/XDR
	Xpert MTB XDR Pre-rollout Verification Fluorotype XDR Verification Panel	12 Spots	SSQ-X-MTBXDR-VRF SSQ-F-MTBXDR-VRF
	MTBC LAMP Verification Panel	8 Spots	SSQ-LAMP-MTBC-VRF-8
	Urine TB LF-LAM Monthly QC (Pre-accredited)*	8 Liquid Specimens	SSQ-LFLAM-MTB-MQC



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# SARS-COV-2



SmartSpot has harnessed its platform in order to respond to the COVID-19 pandemic and provide a set of non-infectious and ambient temperature stable Quality Controls for molecular diagnostic SARS-CoV-2 assays.

The controls contain targets in the N; E; RdRP, Spike and/or ORF1a/b regions and have been validated on the GeneXpert, Thermofisher, Abbott, Roche, Biomerieux, Bioer, Molbio, Bioneer, Biorad, GeneFinder, LineGene and LongGene platforms. For compatibility on alternative instruments, please contact us for more information on [info@SmartSpotQ.com](mailto:info@SmartSpotQ.com)


EQA	Name and Description	Quantity Per Cycle	Catalogue #
	Xpert SARS-CoV-2 EQA Program (3 Cycles) Molecular SARS-CoV-2 EQA Program (3 Cycles)	4 Spots	SSQ-X-COV2-EQA SSQ-MOL-COV2-EQA


VERIFICATION	Name and Description	Quantity	Catalogue #
	SARS-CoV-2 Verification SARS-CoV-2 Pre-rollout Verification	4 Spots 12 Spots	SSQ-X-COV2-VRF-4 SSQ-X-COV2-VRF-12

# SARS-COV-2 & Flu/RSV (Pre-accreditation)\*

SmartSpot has launched EQA and Verification panels to address customer needs for multiplex testing of SARS-CoV-2 Flu & RSV,

The controls contain targets in the N; E; RdRP, Spike, ORF1a/b,, FluA, FluB, RSVA, and/or RSVB regions and have been validated on the GeneXpert. For compatibility on alternative instruments, please contact us for more information on [info@SmartSpotQ.com](mailto:info@SmartSpotQ.com)

EQA	Name and Description	Quantity Per Cycle	Catalogue #
	Xpert CoV-2/Flu/RSV EQA Program (3 Cycles) Molecular CoV-2/Flu/RSV EQA Program (3 Cycles) Pre-accreditation*	4 Spots	SSQ-X-COV2FLURSV-EQA SSQ-MOL-COV2FLURSV-EQA

VERIFICATION	Name and Description	Quantity	Catalogue #
	SARS-CoV-2 / Flu / RSV Verification SARS-CoV-2 / Flu / RSV Pre-rollout Verification	4 Spots 12 Spots	SSQ-X-COV2FLURSV-VRF-4 SSQ-X-COV2FLURSV-VRF-12



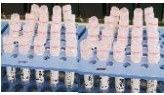
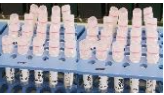


\*Controls are in pre-accreditation (Scheduled for inclusion in SmartSpot's scope of accreditation by 15 February 2024) and stability studies are ongoing.

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# HIV

SmartSpot Quality provides the first non-infectious liquid Human Immuno-deficiency Virus EQA and Verification Control Program that is stable at ambient temperature.

The controls are compatible with Viral Load and Qualitative (EID - Early Infant Diagnosis) testing on the following platforms: Abbott; Roche; Xpert; Hologic and Biocentric. HIV Qualitative controls are also available in Dry Blood Spot (DBS) format.

EQA	Name and Description	Quantity	Catalogue #
	Xpert HIV-1 Viral Load EQA Panel Molecular HIV-1 Viral Load EQA Panel	4 Vials	SSQ-X-HIV_VL-EQA SSQ-MOL-HIV_VL-EQA
	Xpert HIV-1 Qual and XC EQA Panel Molecular HIV Qual EQA Panel	4 DBS	SSQ-X-HIV_QUALXC-EQA SSQ-MOL-HIV_QUAL-EQA
VERIFICATION	Name and Description	Quantity	Catalogue #
	Validation Panel - High Throughput VL	42 Vials	SSQ-MOL-HIV_VL-VAL
	Validation Panel - Precision Study - Xpert VL	24 Vials	
	Validation Panel - Accuracy Study - Xpert VL	10 Vials	
	Validation Panel - m-Pima VL	16 Vials	
	Validation Panel - High Throughput Qual	42 Vials	SSQ-MOL-HIV_VL-VAL
	Validation Panel - Precision Study - Xpert Qual	24 Vials	
	Validation Panel - Accuracy Study - Xpert Qual	10 Vials	
	Validation Panel - m-Pima Detect	16 Vials	
	HIV Viral Load Verification (Low – High Throughput)	12 Vials	SSQ-X-HIV_VL-VRF-3x4 SSQ-X-HIV_QualXC-VRF-3x4
	HIV Qual Verification (Low – High Throughput)	12 Vials	
	HIV Viral Load Verification (Single module)	6 Vials	
	HIV Qual Verification (Single module)	6 Vials	
	HIV Qual Validation – Precision Study - DBS	16 DBS	SSQ-X-HIV_QUALXC-VRF-3x4DBS
	HIV Qual Verification - DBS	12 DBS	



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Email [info@smartspotq.com](mailto:info@smartspotq.com) or call +27 11 593 6200 for tailored solutions.





# Viral Hepatitis (Pre-accreditation)\*



SmartSpot Quality provides a non-infectious liquid Human Viral Hepatitis EQA and Verification Control Program that is stable at ambient temperature.

The controls are compatible with Viral Load testing on the following platforms: Abbott; Roche; Xpert; Hologic and Biocentric.

EQA	Name and Description	Quantity	Catalogue #
	Xpert HCV Viral Load EQA Panel Molecular HCV Viral Load EQA Panel Xpert HCV VL Fingerstick EQA Panel Molecular HCV VL Fingerstick EQA Panel	4 Vials	SSQ-X-HCV_VL-EQA SSQ-MOL-HCV_VL-EQA SSQ-X-HCV_FS-EQA SSQ-MOL-HCV_FS-EQA
	Xpert HBV Viral Load EQA Panel Molecular HBV Viral Load EQA Panel	4 Vials	SSQ-X-HBV_VL-EQA SSQ-MOL-HBV_VL-EQA

VERIFICATION	Name and Description	Quantity	Catalogue #
	HCV Viral Load Verification 12 specimen (3 specimens tested per module) HCV Viral Load Fingerstick Verification 12 specimen (3 specimens tested per module)	12 Vials	SSQ-X-HCV_VL-VRF-3x4 SSQ-X-HCV_FS-VRF-3x4
	HBV Viral Load Verification 12 specimen (3 specimens tested per module)	12 Vials	SSQ-X-HBV_VL-VRF-3x4

# Human Papilloma Virus (Pre-accreditation)\*

EQA and VERIFICATION	Name and Description	Quantity	Catalogue #
	HPV Viral Load EQA Panel	4 Vials	SSQ-X-HPV_LIQ
	HPV Viral Load Verification 12 specimen (3 specimens tested per module)	12 Vials	SSQ-X-HPV_VRF-3x4

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# MRSA (Pre-accreditation)\*

SmartSpot Quality provides a non-infectious Dry Culture Spot (DCS) and/or liquid **Methicillin-resistant/Methicillin-susceptible Staphylococcus Aureus** EQA and Verification Control Program that is stable at ambient temperature.

The controls are compatible with **Xpert MRSA/SA SSTI, NxG, SA Nasal Complete and Blood Culture assays**. For compatibility with other platforms/assays, please contact [Office@SmartSpotQ.com](mailto:Office@SmartSpotQ.com)

EQA	Name and Description	Quantity	Catalogue #
	Xpert MRSA/SA EQA Panel (SSTI & NxG & SA Nasal Complete) Molecular MRSA/SA EQA Panel	4 Vials	SSQ-X-MRSA_SSTI-EQA SSQ-X-MRSA_NxG-EQA SSQ-X-MRSA_NasC-EQA SSQ-MOL-MRSA_DC-EQA
	Xpert MRSA/SA EQA Panel (MRSA/SA Blood Culture) Molecular MRSA/SA EQA Panel	4 Vials	SSQ-X-MRSA_BC-EQA SSQ-MOL-MRSA_WB-EQA

VERIFICATION	Name and Description	Quantity	Catalogue #
	Xpert MRSA/SA Verification Panel Molecular MRSA/SA Verification Panel 12 specimen (3 specimens tested per module)	12 Vials	SSQ-X-MRSA_DC-VRF-3x4
	Xpert MRSA/SA Verification Panel Molecular MRSA/SA Verification Panel 12 specimen (3 specimens tested per module)	12 Vials	SSQ-X-MRSA_WB-VRF-3x4

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