



Thomas Scientific
SARS-CoV-2
DETECTION BROCHURE



Collection

LFIA-POC

RT-PCR

ELISA

Your Complete Scientific Work Flow Solution

On Time Delivery – Strong Technical Support – Great Pricing

Collection



Swabs

Thomas No.	Description
20A00G473	Nasopharyngeal Specimen Collection Swab, individually wrapped, Sterile, 100/Pk;500/cs
20A00G452	Oral Specimen Collection Swab, individually wrapped, Sterile, 100/Bx
20A00H286	Foamtec Sterile Nasopharyngeal Swab - 1 Swab/Pouch 100 Boxes/Case, 1000 Swabs
20A00H287	Foamtec Sterile Oropharyngeal Swab - 1 Swab/Pouch 100 Boxes/Case, 1000 Swabs Total

MTM® Transport Media -FDA/EUA Approved

Thomas No.	Description
CHM00C227	Longhorn PrimeStore MTM® 2.0mL tubes/1.0mL of solution, 50/Pk
CHM00C154	Longhorn PrimeStore MTM® 3.0mL tubes/1.5mL of solution, 50/Pk
CHM00C171	Longhorn PrimeStore MTM® 5.0mL tubes/1.5mL of solution, 50/Pk
CHM00C165	Longhorn 1 liter of bulk PrimeStore MTM® solution

VTM Transport Swabs Kit

Thomas No.	Description
CHM00C534	NEST Disposable Sampler, 5 mL Vial with 2.5 mL VTM, with Individually Wrapped and Sterile Oropharyngeal Swab , 50/Pk
CHM00C536	NEST Disposable Sampler, 10 mL Vial Filled with 3 mL VTM Medium Packaged with One, Oropharyngeal Swab, Sterile, 100/Pk
CHM00C535	NEST Disposable Sampler, 5 mL Vial Filled with 2.5 mL VTM Medium Nasopharyngeal Swab, (Individually Wrapped, Sterile), 50/Pk
CHM00C537	NEST Disposable Sampler, 10 mL Vial Filled with 3 mL VTM Medium Packaged with One, Nasopharyngeal Swab, Sterile, 100/Pk
CHM00C886	Miraclean Disposable Sampler, 10mL Viral Transport Medium tube w/ 3mLs of Media, includes 1 Nasopharyngeal swab, 50KTs/BG, 8BGs/CS, 400 Total

Swab Transport Kit

Thomas No.	Description
CHM00C705	Mawi DNA Technologies iSWAB Microbiome Collection Tube,1.0mL, 500/Bag, 2 Bags/PK, 1000 Total

Bulk VTM Transport Media

Corning Transport Medium is formulated using the final ingredient concentrations outlined in CDC's SOP#: DSR-052-01 "Preparation of viral transport medium".

Thomas No.	Description
CHM00C517	Corning Transport Medium: Mix Of Hbss, Hi Fbs, amphotericin B And Gentamicin Sulfate, 100mL, 6/Cs
CHM00C773	Corning Transport Medium 1L, 6/Cs
CHM00C774	Corning Transport Medium 500mL, 6/Cs

Viral Inactive Transport Media

Thomas No.	Description
1159U83	Zymo DNA/RNA Shield (1X Concentrate), 50mL
1154G75	Zymo DNA/RNA Shield (1X Concentrate), 250mL
1159U84	Zymo DNA/RNA Shield (2X Concentrate), 25mL
1154G82	Zymo DNA/RNA Shield (2X Concentrate), 125mL
1159U90	Zymo DNA/RNA Shield Collection Tube with Swab (1mL fill), 50/Pk
1159G79	Zymo DNA/RNA Shield Collection Tube with Swab (2mL fill), 50/Pk

Viral Transport Media

Thomas No.	Description
CHM00C923	Teknova Viral Transport Medium (CDC). 3mL in 13mL Tube, 50 Tubes per Pack, Sterile

Reagents

Thomas No.	Description
C837K79	Quality Biological Amphotericin B, 250 µg/mL, 50mL
C755H22	Bioline Proteinase K, 100mg
C756R65	MilliporeSigma Proteinase K, recombinant, PCR Grade, pkg of 100 mg
C801R35	RPI Gentamicin Sulfate, 25g
B003K98	Corning cellgro Hanks' Balanced Salt Solution, 1X, with calcium and magnesium, 500mL, 6/Pk
B003L01	Corning cellgro Hank's Balanced Salt Solution, 1X without calcium and magnesium, 500 mL, 6/Pk
B003L52	Corning cellgro Fetal Bovine Serum, Regular (Heat Inactivated), 1 x 500 mL



Thomas No. CHM00C227



Thomas No. CHM00C534



LFIA-POC Finger Stick Test Kits

Thomas No.	Description
CHM00C563	Ray Biotech Coronavirus (COVID-19) IgM Rapid Test Kit, 20 Strips
CHM00C564	Ray Biotech Coronavirus (COVID-19) IgG Rapid Test Kit, 20 Strips
CHM00C665	BioSys Plus COVID-19 IgM/IgG Rapid Test, 25/BX
CHM00C661	Clarity Diagnostics Clarity Covid-19 IgG/IgM Antibody Test Kits, 20/Bx;400/cs
CHM00C685	AttoGene Covid Igg/Igm Antibody Test Kits (Box) 25/Bx



Thomas No. CHM00C661



Thomas No. 1146L45



Thomas No. 1159U85

Lancets

Thomas No.	Description
20A00H280	Greiner Bio One MiniCollect® Lancelino Safety Lancet 25G penetration, depth 1,50 mm lavender, sterile, for capillary blood collection with needle, 2000/Cs
20A00H362	MHC Medical Products EasyTouch Pressure Activated Safety Lancets, 21 G, 2.4mm, Dark Blue, 100/Bx;1000/Cs
20A00H363	MHC Medical Products EasyTouch Pressure Activated Safety Lancets, 23 G, 2.2mm, Gray, 100/Bx;1000/Cs
20A00H364	MHC Medical Products EasyTouch Pressure Activated Safety Lancets, 26 G, 1.8mm, Dark Green, 100/Bx;1000/Cs
20A00H365	MHC Medical Products EasyTouch Pressure Activated Safety Lancets, 28 G, 1.8mm, Purple, 100/Bx;1000/Cs
20A00H366	MHC Medical Products EasyTouch Pressure Activated Safety Lancets, 30 G, 1.6mm, Blue, 100/Bx;1000/Cs

Transfer Pipets

Thomas No.	Description
1158Q81	MTC Bio Transfer Pipet, 1.2mL, short stem
1202M54	Globe Scientific Transfer Pipet, 3.0mL, Small Bulb, Graduated to 1mL, 140mm, STERILE, Individually Wrapped, Cellophane Wrap, Bulb Draw - 2.2mL
1150J92	Globe Scientific Transfer Pipet, 5.0mL, Blood Bank, Graduated to 2mL, 155mm, STERILE, Indiv. Wrapped, 100/Bg, 5 Bg/Cs

Blood Dispensers

Thomas No.	Description
1141P04	Labcon U-Pette Blood Dispenser for Point of Care Test Cartridges, 5 Boxes of 100;500/Cs
20A00H277	Labcon C-Pette E Dispense, 100/Bx;500/Cs
20A00H278	Labcon C-Pette E Dispense, 100/Bx;500/Cs

Collection

Blood Collection for cfDNA Analysis

Thomas No.	Description
20A00H070	SiO2 Synergy Blood Collection Tube, 16x100, 8.1mL in 9.5mL Tubes, 100/Bx;1000/cs

Saliva Collection

Thomas No.	Description
1146L45	Zymo DNA/RNA Shield Saliva Collection Kit, 1/Ea
1159U91	Zymo DNA/RNA Shield Blood Tubes, 50/Pk
20A00K899	IBI Scientific Saliva Collection Kit, 25/Pk
20A00K900	IBI Scientific Saliva Collection Kit, 50/Pk

Fecal Collection

Thomas No.	Description
1159U85	Zymo DNA/RNA Shield Fecal Collection Tube, 10/Pk



Purification Kits

MagBeads

Thomas No.	Description
C755D41	Omega Bio-tek Mag-Bind® Viral DNA/RNA 96 Kit , (12 x 96 preps)
CHM00C921	Omega-Bio-tek Mag-Bind® Viral RNA Xpress Kit, (24x96 preps)
1154H17	Zymo Research Quick-DNA/RNA Viral MagBead Kit (4 x 96 Preps)
CHM00C894	Sera-Xtracta Virus/Pathogen Kit, (1000 Purifications)

Silica, Columns, and 96 Well Plates

Thomas No.	Description
1154F83	Zymo Research Quick-DNA/RNA Viral Kit (100 Preps)
1154B31	Zymo Research Quick-DNA Viral 96 Kit (4 x 96 Preps.)

Purification Supplies

KingFisher Supplies

Thomas No.	Description
1144A72	Innovative Laboratory Products 2.0 mL, 96-Well Plate, Clear, Square Top, Round Bottom, 50/cs
1144A71	Innovative Laboratory Products 200 µL, 96-Well Plate, Clear, Square Top, Round Bottom, 50/Cs
20A00G709	NEST Scientific USA 2.2 ml 96-Well Deep Well Plate, V Conical Bottom, Square well, non-sterile, 50/cs
20A00G710	NEST Scientific USA 0.5 ml 96-Well Deep Well Plate, V Conical Bottom, Square well, non-sterile, 50/cs
1142K01	NEST Scientific USA 96 Tip Combs for Magnetic applications, non-sterile, 50/cs



Thomas No. 1154F83



Thomas No. C755D41



Thomas No. C755H92

Detection

RT-PCR Detection

Thomas No.	Description
CHM00C920	Zymo QUICK SARS-CoV-2 RRT-PCR (10,000 reactions) <i>Zymo Quick SARS-CoV-2 rRT-PCR Kit has FDA/EUA approval</i>
CHM00C520	BioBasic SARS-CoV-2 RT-PCR Detection Kit (COVID-19), (50 reactions)
CHM00C656	Intact Genomics One Step RT-qPCR kit for SARSCoV-2 , (100 reactions)
CHM00C657	Intact Genomics One Step RT-qPCR kit for SARSCoV-2, (500 reactions)
CHM00C795	Gnomegen LLC Gnomegen COVID-19 RT 1-Step qPCR Kit, 500/Pk
CHM00C719	Atila Biosystems iAMP COVID-19 detection kit, 100/Pk
20A00H642	Atila Biosystems iAMP COVID-19 sample collection device, 100/Pk
C755H92	BioLine SensiFAST Probe No-ROX Kit (5000 x 20uL reactions)
C755H89	BioLine SensiFAST Probe Lo-ROX Kit (5000 x 20uL reactions)
C755H63	BioLine MyTaq One-Step RT-PCR Kit (100 reactions)
C912Y68	MilliporeSigma KiCqStart One-Step Probe RT-qPCR ReadyMix, (500 reactions)
C912Y69	MilliporeSigma KiCqStart One-Step Probe RT-qPCR ReadyMix, (500 reactions)
C908J29	MilliporeSigma SYBR Green Quantitative RT-PCR KIT (100 Reactions)
C756Q33	MilliporeSigma Transcriptor One-Step RT-PCR Kit, (50 reactions)
C756Q34	MilliporeSigma Transcriptor One-Step RT-PCR Kit, (150 reactions)
C852A35	Roche Titan One Tube RT-PCR System, (100 Reactions)

Probes & Primers

Thomas No.	Description
CHM00C092	BioBasic CCCTGTGGGTTTACACTTAA Coronavirus Primers
CHM00C093	BioBasic ACGATTGTGCATCAGCTGA Coronavirus Primers
CHM00C094	BioBasic GGGGAACCTCTCTGCTAGAAT Coronavirus Primers
CHM00C095	BioBasic CAGACATTTTGTCTCAAGCTG Coronavirus Primers
CHM00C096	BioBasic GGTGGTCTCTGACTTCA Coronavirus Primers
CHM00C097	BioBasic CTTGACAAAGTGGTCGTTGAG Coronavirus Primers
CHM00C098	BioBasic TTCTTGCTTTCTGGTATTC Coronavirus Primers
CHM00C099	BioBasic CACGTTAAACAATATTGCAGC Coronavirus Primers
CHM00C100	BioBasic GTGARATGGTCATGTGTGGCGG Coronavirus Primers
CHM00C101	BioBasic CARATGTTAAASACACTATTAGCATA Coronavirus Primers
CHM00C102	BioBasic ACAGGTACGTTAATAGTTAATAGCGT Coronavirus Primers
CHM00C103	BioBasic ATATTGCAGCAGTACGCACACA Coronavirus Primers

Detection - Automation

RT-PCR Plates

Thomas No.	Description
1149U99	Brooks/4titude FrameStar 96 Well Semi-Skirted PCR Plate, ABI Style; frosted PP wells, clear PC frame, cut corner A12, 50/Pk
1149V59	Brooks/4titude FrameStar 96 Well Skirted PCR Plate; clear PP wells, clear PC frame, cut corner H1, 50/Pk
1149V49	Brooks/4titude FrameStar 96 Well Semi-Skirted PCR Plate, Roche Style, High Sensitivity; extra white PP wells, clear PC frame, cut corner H12, 50/Pk
1149R68	Brooks/4titude 384 Well Skirted PCR Plate; frosted PP for ABI, cut corner A24, 50/Pk
1149R56	Brooks/4titude FrameStar 384 Well Skirted PCR Plate, Roche Style; white PP wells, clear PC frame, cut corner A24/P24, 50/Pk
1149K05	LabForce 96-Well PCR Plates, Full-Skirted, Clear, 100/Cs
1149K03	LabForce 96-Well PCR Plates, Semi-Skirted, Standard, Clear, 100/Cs
1148A96	LabForce 384-Well PCR Plates, ABI-Style, A24 Notch, Clear, 100/Cs
1148A92	LabForce 384-Well PCR Plates, 2-Notch A24, P24, White, 100/Cs

Deep Well Plates

Thomas No.	Description
1149J82	LabForce 96 Well 1.1mL Deep Well Plate, Round Bottom, 50/Cs
1149J83	LabForce 96 Well 1.1mL Deep Well Plate, Round Bottom, Sterile, 50/Cs
1149J84	LabForce 96 Well 2mL Deep Well Plate, Square V-Bottom, KingFisher compatible, 50/Cs
1149J85	LabForce 96 Well 2mL Deep Well Plate, Square V-Bottom, KingFisher compatible, Sterile, 50/Cs

RT-PCR Heat Sealers/Seals

Heat Sealers

Thomas No.	Description
1149T97	Brooks a4S Automatic Roll Heat Sealer; includes: power cord, manual, plate support adapters A and B, 24 months warranty
1149T93	Brooks 4s3 Semi-Automatic Sheet Heat Sealer; includes: power cord, manual, standard plate support adapter (4ti-0615), 12 months warranty

Seals

Thomas No.	Description
1150P97	PlateSeal Optically Clear Polyolefin Film, 100/Pk
1149T22	Brooks / 4titude Clear Heat Seal; peelable heat sealing film, (500 m x 78 mm), Roll

RT-PCR Instrument

Thomas No.	Description
1182K90	Analytik Jena qTOWER ³ qPCR Thermal Cycler, 96 Well
1162D03	Victory Scientific UF-150 GENECHECKER™ Ultra-Fast Real-Time qPCR System

Purification

Magnetic Plates

Thomas No.	Description
19A00M037	ClickBio SBS Magnet for Deep Well 96 plates
19A00M038	ClickBio SBS Magnet for 96w PCR Plates
1148V84	Alpaqua Engineering Magnum FLX® Enhanced Universal Magnet Plate
1148V85	Alpaqua Engineering Magnum FLX®24
1148V83	Alpaqua Engineering Magnum EX Universal Magnet Plate
1148V87	Alpaqua Engineering 384 Post Magnet Plate



Thomas No. 19A00M037



Thomas No. 1149T97

analytikjena
An Endress+Hauser Company



Thomas No. 1182K90



Detection

ELISA Kits

Thomas No.	Description
CHM00C597	Ray Biotech COVID-19 N-Protein ELISA, 5 plates
CHM00C600	Ray Biotech COVID-19 (SARS-CoV-2) Human IgG Antibody Detection Kit, 5 plates
CHM00C603	Ray Biotech Human ACE-2 ELISA, 5 plates
CHM00C606	Ray Biotech Human ACE-2 ELISA, for Lysates, 5 plates
CHM00C650	Ray Biotech SARS-CoV2 IgG ELISA, 90 Tests Per Kit
CHM00C651	Ray Biotech SARS-CoV2 IgM ELISA, 90 Tests per Kit
CHM00C219	GenScript SARS-CoV-2 Spike S1-RBD IgG&IgM ELISA Kit
CHM00C220	GenScript SARS-CoV-2 NP&RBD Total Antibody ELISA Kit, 96 Tests
CHM00C922	GenScript cPass™ SARS-CoV-2 Neutralization Antibody Detection Kit, 96 Tests
CHM00C685	AttoGene SARS-CoV-2 Serologic IgG.igM Assay, 25/Pk
CHM00C650	Ansh Labs SARS-CoV2 IgG ELISA, 90 Tests Per Kit
CHM00C651	Ansh Labs SARS-CoV2 IgM ELISA, 90 Tests per Kit

Antibodies

Thomas No.	Description
CHM00C612	Ray Biotech SARS-CoV-2 S1 RBD antibody, Rb 1mg
CHM00C615	Ray Biotech SARS-CoV-2 N antibody, Rb, 1mg
CHM00C618	Ray Biotech SARS-CoV-2 S2 antibody, Rb, 1mg
CHM00C215	GenScript SARS-CoV-2 Spike S1 Antibody (HC2001), Hum,1mg
CHM00C216	GenScript SARS-CoV-2 N Antibody (HC2003) Hum,100ug
CHM00C217	GenScript SARS-CoV-2 N Antibody (HC2003), Hum,1mg
CHM00C672	Pro Scientific SARS-CoV-2 (COVID-19, 2019-nCoV) Spike S1 Antibody
CHM00C673	Pro Scientific SARS-CoV-2 (COVID-19, 2019-nCoV) Spike RBD Antibody

Antibodies continued

Thomas No.	Description
CHM00C674	Pro Scientific SARS-CoV-2 (COVID-19, 2019-nCoV) Spike Antibody (cleavage site), 0.1mg
CHM00C676	Pro Scientific SARS-CoV-2 (COVID-19, 2019-nCoV) Nucleocapsid Antibody, 0.1mg
C747M35	Pro Scientific ACE2 Antibody, 100 ug
C945G31	MilliporeSigma Goat anti-Human IgG, HRP conjugate; 2 mL
C945H64	MilliporeSigma Goat anti-Human IgG, HRP conjugate; 1 mL
C916B97	MilliporeSigma PEROXIDASE Conjugate-Goat anti-Human IgM 1 mL
C972V24	MilliporeSigma SIGMA Anti-Human IgA (alpha-chain specific)-Peroxidase antibody produced in goat, 1 mL

COVID Proteins

Thomas No.	Description
CHM00C570	Ray Biotech Recombinant SARS-CoV-2 Nucleocapsid Protein C-Term, 1mg
CHM00C573	Ray Biotech Recombinant SARS-CoV-2 Nucleocapsid Protein N-Term, 1mg
CHM00C577	Ray Biotech Recombinant SARS-CoV-2 Spike Protein, S1 Subunit, Host Cell (RBD), 1mg
CHM00C580	Ray Biotech Recombinant SARS-CoV-2, S1 Subunit Protein (RBD), 1mg
CHM00C585	Ray Biotech Recombinant SARS-CoV-2 Spike Protein, S1 Subunit, 1mg
CHM00C589	Ray Biotech Recombinant SARS-CoV-2 Spike Protein, S2 Subunit, 1mg
CHM00C594	Ray Biotech Recombinant Human Angiotensin-converting Enzyme 2 (ACE2), 1mg
CHM00C212	GenScript SARS-CoV-2 Spike protein (S1); tag-free 1mg
CHM00C178	GenScript SARS-CoV-2 Spike protein (S1/S2); (RBD, His Tag), 1mg
CHM00C204	GenScript SARS-CoV-2 Nucleocapsid S-RBD Fusion protein (s1/S2); (His tag); 1mg
CHM00C176	GenScript SARS-CoV-2 Spike protein (s1/s2); (ECD, His & Flag Tag); 1mg
CHM00C683	Pro Scientific 2019-nCoV Envelope Recombinant Protein, 0.1mg
CHM00C684	Pro Scientific 2019-nCoV Nucleocapsid Recombinant Protein, 0.1mg



Detection

Protein Array

Thomas No.	Description
CHM00C609	Ray Biotech COVID-19 Spike Protein Array, 4 slides



Thomas No. 6928B30

ELISA

Plates

Thomas No.	Description
1184Q01	Greiner Bio-One 96W MICROLON® 600 Plate, PS, High Binding, Flat Bottom, Chimney Style, Clear, 40/Cs
1184Q11	Greiner Bio-One 96W Half Area MICROLON® 600 Plate, PS, High Binding, Flat Bottom, Chimney Style, Clear, 40/Cs
1184Q24	Greiner Bio-One 384W MICROLON® 600 Plate, PS, High Binding, Flat Bottom, Clear, 40/Cs
1176Q78	Greiner Bio-One 96W C8 Single-break MICROLON® 600 Strip Plate, PS, High Binding, 1x8 Break-Apart C-Bottom (Flat w/curved edge) Strips, Clear Wells, 100/Cs
6928C03	Corning Assay Plate, Clear, Half-Area, High Binding, 100/Cs
0320J73	Corning 384 Well Clear Flat Bottom Polystyrene High Bind Microplate, 25 per Bag, without Lid, Nonsterile, 100/Cs
6935E01	Corning 96-well Clear Polystyrene High Bind Stripwell™ Microplate, 8-well strips, 360 µL, 25 per Bag, without Lid, Nonsterile, 100/Cs



Thomas No. 1150P87

Plates/Seals

Thomas No.	Description
1150P87	PlateSeal Clear Plate Seal, 100/Pk
1150Q01	PlateSeal Chemical Resistant Foil, 100/Pk
1150P97	PlateSeal Optically Clear Polyolefin Film, 100/Pk
1149J29	OmniGenX Microplate Seal Pad; 25 Seals/Pad, 4 Pads/Pack, 100/Pk
1149J07	4titude PCR Seal; clear adhesive film, strong adhesive, 100 sheets (135 x 80 mm), 100/Pk
1149R84	4titude PCR Seal; clear adhesive film, strong adhesive, 100 sheets (135 x 80 mm), 100/Pk



Thomas No. 20A00H083

ELISA Equipment

Plate Reader

Thomas No.	Description
20A00H083	Tecan Sunrise Reader, Base Unit
20A00H084	Tecan Filter Slide Set, 4 Standard Filters, for Sunrise



Thomas No. 1177K60

ELISA Washer

Thomas No.	Description
1156C79	CTK Biotech Alta ELISA Washer
1177K60	ACTGene, Inc. AgileWasher ELISA Plate Washer, w/ built-in incubator



Thomas No. 1156C79

