International
Potato
Center











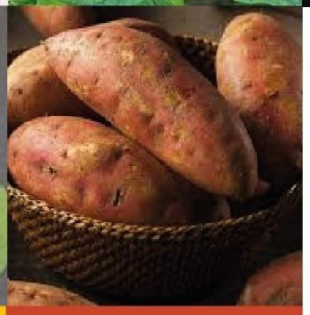

CIP
INTERNATIONAL
POTATO CENTER

Plant Pathology Laboratory

Catalog of Services

2026



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Plant Pathology Laboratory

LABORATORY TESTS		
PATHOGEN DIAGNOSIS	**TEST TYPE**	**CODE**
VIRUSES AND VIROIDS		
Andean potato latent virus (APLV)	DAS-ELISA	ELI001
Andean potato mottle virus (APMoV)	DAS-ELISA	ELI002
Arracacha virus B (AVB)	DAS-ELISA	ELI003
Arracacha virus B – Oca strain (AVB-O)	DAS-ELISA	ELI004
Potato leafroll virus (PLRV)	DAS-ELISA	ELI005
Potato moptop virus (PMTV)	DAS-ELISA	ELI006
Potato yellow dwarf virus (PYDV)	DAS-ELISA	ELI007
Potato yellowing virus (PYV)	DAS-ELISA	ELI008
Potato virus A (PVA)	DAS-ELISA	ELI009
Potato virus M (PVM)	DAS-ELISA	ELI010
Potato virus S (PVS)	DAS-ELISA	ELI011
Potato virus X (PVX)	DAS-ELISA	ELI012
Potato virus Y (PVY)	DAS-ELISA	ELI013
Sweetpotato chlorotic fleck virus (SPCFV)	NCM-ELISA	ELI014
Sweetpotato chlorotic stunt virus (SPCSV)	NCM-ELISA	ELI015
Sweetpotato C-6 virus (SPC6V)	NCM-ELISA	ELI016
Sweetpotato collusive virus (SPCV)	NCM-ELISA	ELI017
Sweetpotato feathery mottle virus (SPFMV)	NCM-ELISA	ELI018
Sweetpotato latent virus (SPLV)	NCM-ELISA	ELI019

PATHOGEN DIAGNOSIS	TEST TYPE	CODE
VIRUS		
Sweetpotato mild mottle virus (SPMMV)	NCM-ELISA	ELI020
Sweetpotato mild speckling virus (SPMSV)	NCM-ELISA	ELI021
Sweetpotato virus G (SPVG)	NCM-ELISA	ELI022
Cucumber mosaic virus (CMV)	NCM-ELISA	ELI023
Potato Geminivirus (aphid-transmitted)	PCR	PCR001
Potato Spindle Tuber Viroid (PSTVd)	RT-PCR	RTP002
Sweetpotato DNA virus	PCR	PCR002
Sweetpotato RNA virus	RT-PCR-SP	RTPSP03
Potato virus T (PVT)	RT-PCR	RTP001
Potato virus A (PVA)	RT-PCR-P	RTPP05
Potato virus M (PVM)	RT-PCR-P	RTPP06
Potato virus S (PVS)	RT-PCR-P	RTPP07
Potato virus X (PVX)	RT-PCR-P	RTPP08
Potato virus Y (PVY)	RT-PCR-P	RTPP09
Potato leafroll virus (PLRV)	RT-PCR-P	RTPP10
Preparation of sRSA libraries	PrepLib-sRSA	sRSA001
Virus/viroid detection in potato and sweetpotato	sRSA*	sRSA002

* Detection of viruses and viroids by small RNA sequencing and assembly, and bioinformatic analysis

PHYTOPLASMA		
Candidatus Phytoplasma (generic)	NESTED-PCR	NPCR01

BACTERIA		
Ralstonia solanacearum (Rs) (in tubers)	NCM-ELISA	RSN001
Ralstonia solanacearum (Rs) (in soil, water, and stems)	DAS-ELISA	RSD002
Bacterial contaminants	NA (nutrient agar)	BCNA01
Bacterial contaminants	NB (nutrient broth)	BCNB01

BIOASSAY TEST		
PATHOGEN DIAGNOSIS	**TEST TYPE**	**CODE**
VIRUS		
Mechanical and graft inoculation of indicator plants. Symptoms evaluation (available for the following viruses: PLRV, PVY, APLV, APMoV, PVX, PVS, PVM, PVA, PVT)	Host Range	HR0001
Mechanical and graft inoculation of indicator plants. Symptoms evaluation (available for the following viruses: SPCFV, SPCSV, SPC6V, SPCV, SPFMV, SPLV, SPMMV, SPMSV, SPVG, CMV)	Indicator Plant	IP0001

ANTISERUM KITS / SETS

PATHOGEN DIAGNOSIS	TEST TYPE	CODE
VIRUS		
PLRV, PVY, PVX, PVS, APLV, APMoV (Andean region)	DAS-ELISA	KIT0001
PLRV, PVY, PVX, PVS, PVM, PVA (rest of the world)	DAS-ELISA	KIT0002
SPCFV, SPCSV, SPC6V, SPCV, SPFMV, SPLV, SPMMV, SPMSV, SPVG, CMV	NCM-ELISA	KIT0003
BACTERIA		
Ralstonia solanacearum (Rs) (in tubers)	NCM-ELISA	KIT0004
Ralstonia solanacearum (Rs) (in soil, water, and stems)	DAS-ELISA	KIT0005

SPECIAL SERVICES

INTRODUCTION AND CONSERVATION OF IN VITRO CULTURES	SERVICE TYPE	CODE
INTRODUCTION OF CULTURES TO IN VITRO		
Potato	*INT-In vitro - potato*	INTIV01
Sweetpotato	*INT-In vitro - sweetpotato*	INTIV02
Other crops	*INT-In vitro - other*	INTIV03
CONSERVATION OF IN VITRO CULTURES		
Potato	*CON-In vitro - potato*	CONIV01
Sweetpotato	*CON-In vitro - sweetpotato*	CONIV02
Other crops	*CON-In vitro - other*	CONIV03

SPECIAL SERVICES		
THERMOTHERAPY AND MERISTEM CULTURE	**SERVICE TYPE**	**CODE**
THERMOTHERAPY AND MERISTEM CULTURE		
Potato	*EPAT-In vitro - potato*	EPIV-01
Sweetpotato	*EPAT-In vitro - sweetpotato*	EPIV-02
Other crops	*EPAT-In vitro - other*	EPIV-03

LABORATORY AND EQUIPMENT RENTAL	**CODE**
SPACES, STORAGE AND EQUIPMENT	
Exclusive-use full space	BFL001
Laboratory workspace	BFL002
Cold storage space (4°C, -20°C and/or -70°C)	STOR01
Storage space (drawers, warehouse, etc.)	GSTO01
Laboratory equipment	EQUI01

RENTAL OF CONTROLLED-CONDITION SPACES AND NET HOUSES	**CODE**
CONTROLLED-CONDITION SPACE	
Biosafety cubicles (temperature-controlled conditions)	CUB001
NET HOUSES	
Net house (nursery)	CMA001



Ordering Information

Laboratory analysis services, antiserum sets, diagnostic kits, and special services included in this catalog are provided in response to requests received by email, addressed to:

Plant Pathology Laboratory

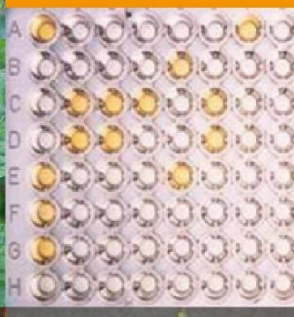
International Potato Center (CIP)

- Av. La Molina 1895. La Molina Lima 15039 PERU
- Attn: Giovanna Müller
- Phone: 3496017 Ext. 3097
- E-mail: g.muller@cgiar.org













The International Potato Center (CIP) is a research and development organization specializing in potato, sweetpotato, and Andean roots and tubers. Its goal is to deliver science-based, sustainable solutions to the pressing challenges of hunger, poverty, gender inequality, climate change, and the preservation of our planet's fragile biodiversity and natural resources.

www.cipotato.org

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