

Parasitology Center, Inc.  
11445 E. Via Linda, Ste. 2-419  
Scottsdale, Arizona 85259 2638  
Phone: 480-767-2522

Laboratorio Analisis Clinicos  
Av. Obregon 28-9  
Nogales, Sonora  
Mexico

## COMPREHENSIVE STOOL ANALYSIS

Date/Time Received: 03/26/2014

Date Tested: 26-Mar-2014

Sent Method: email

Service No: 100000

<b>Patient:</b>	Date of Birth:	Sex: Male	<b>Health Practitioner:</b>	<b>EMMA LANE</b>
	Home Phone:		Business Phone:	01924242851
	Business/Cell Phone:		Facsimile:	+441924242871
<b>History:</b>				
Foreign Travel:				
Symptoms:				
Past Infection /Treatment:				
Other infected in household:				

Intestinal parasites: Normal value = 0 (not marked) Reference range: 0 (negative) - 4 (heavy presence)  
Specimens fixed and transported in SAF and concentrated using CONSED Reagent System (Alpha Tec, Vancouver, WA)

### Protozoa:

<i>Entamoeba coli</i>	cysts	trophozoites
<i>E. histolytica / E. dispar</i>	cysts	trophozoites
<i>Entamoeba hartmanni</i>	cysts	trophozoites
<i>Iodamoeba butschili</i>	cysts	trophozoites
<i>Endolimax nana</i>	cysts	trophozoites
<i>Giardia lamblia</i>	cysts	trophozoites
<i>Chilomastix mesnili</i>	cysts	trophozoites
<i>Balantidium coli</i>	cysts	trophozoites
<i>Trichomonas hominis</i>		
<i>Isospora belli</i>		
<i>Dientamoeba fragilis</i>		
<i>Cryptosporidium parvum</i>		
<i>Cyclospora cayetanensis</i>		
<i>Blastocystis hominis</i>		

### Trematoda (Flukes):

*Schistosoma* sp.  
*Fasciola/Fasciolopsis*  
*Paragonimus westermani*  
*Clonorchis/Heterophyes/Metagonimus*

### Fungi Spores and Common Yeasts:

*Candida* sp. Candida (dividing)  
Common Yeast Yeast (dividing)  
*Geotrichum* sp.  
*Kloeckeri* sp.  
Hyphae

### Cestoda (Tapeworms):

*Taenia solium/Taenia saginata*  
*Hymenolepis nana*  
*Hymenolepis diminuta*  
*Dipylidium caninum*  
*Diphyllobothrium latum*

### Nematoda (Roundworms):

*Ascaris lumbricoides*  
*Ancylostoma/Necator*  
*Strongyloides stercoralis*  
*Trichostrongylus* sp.  
*Trichuris trichiura*  
*Enterobius vermicularis*  
*Mansonella* sp.

### Other Observations:

Epithelial (squamous) cells  
Epithelial (columnar) cells  
Bacteria (normal bacilli)  
Undigested Tissue  
Charcot-Leyden crystals  
WBC RBC  
Fatty acid crystals  
Starch granules  
Pollen  
Mucus

**Comments** (samples tested at the Nogales facility):

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## SWAB CULTURE

Date Received: 03/26/2014      Date Tested: 26-Mar-2014      Sent Method: email      Source:      Service No: 100000

<b>Patient:</b>	Date of Birth:	Sex: Male	<b>Health Practitioner:</b>	<b>EMMA LANE</b>
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Foreign Travel:				
Symptoms:				
Past Infections/Treatment:				
Others infected in household:				

**Pathogenic Bacteria and Fungi: Postive findings are bolded and marked with a "+" .**

### Common Bacterial Agents for urine and gastrointestinal infections

<i>Salmonella</i> sp.	<i>Vibrio cholera</i>	<i>Yersinia</i> sp.
<i>Escherichia coli</i>	<i>Citrobacter freundii</i>	<i>Campylobacter</i> sp.
<i>Klebsiella</i> sp.	<i>Proteus vulgaris</i>	<i>Clostridium difficile</i>
<i>Shigella</i> sp.		

### Common Bacterial Agents for skin, urine, and mucoid surfaces

<i>Staphylococcus</i> sp.	<i>S. coagulase positive (S. aureus)</i>	<i>S. coagulase negative (S. epidermidis)</i>
<i>Streptococcus</i> sp.	<i>Pseudomonas aeruginosa</i>	<i>Candida</i> sp. <i>Bacteroides</i> sp.

**Comments** (samples tested at the Nogales facility):

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## BLOOD ANALYSIS

Date/Time Received: 03/26/2014

Date Tested: 26-Mar-2014

Sent Method: email

Service No: 100000

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	Home Phone:		Business Phone:	01924242851
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<b>History:</b>				
Foreign Travel:				
Symptoms:				
Past Infection /Treatment:				
Other infected in household:				

Blood parasites: Normal value = 0 (not marked) Reference range: 0 (negative) - 4 (heavy presence)  
Analysis of thin blood smear stained with modified Wright Giemsa Stain (Sigma Diagnostics, St. Louis, MO)

### Common Parasitic Findings

*Babesia* sp.

*Plasmodium* sp.

*Trypanosoma* sp.

*Wuchereria/Brugia/Loa/Onchocerca*

Other:

### Metabolic Dysfunctions

RBC crenation

RBC aggregate

RBC rouleau

RBC echinocyte

RBC acanthocyte

RBC macrocyte

RBC hypochromia

WBC abnormalities

Crystalline deposits

Other:

Comments (samples tested at the Nogales facility):

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## PARASITE ID

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Sent Method: email

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	Home Phone:		Business Phone:	01924242851
	Business/Cell Phone:		Facsimile:	+441924242871
<hr/>				
<b>History:</b>				
Foreign Travel:				
Symptoms:				
Past Infection /Treatment:				
Other infected in household:				

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**Analysis of unknown macroscopic specimen: Normal value = 0 (not marked) Reference range: 0 (negative) - 4 (heavy presence)**

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### Helminths(whole or parts)

Nematoda  
Cestoda  
Trematoda

### Common Non-parasitic findings

Fecal material  
Mucus casts/tubes  
Mucoïd material  
Scabs  
Coagulated blood  
Hair with fungus  
Waxy materials  
Artifacts  
Sebaceous glands  
Undigested tissue  
Cutaneous tissue

### Other

**Comments** (samples tested at the Nogales facility):

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## PINWORM ANALYSIS

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Sent Method: email

Service No: 100000

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	Home Phone:		Business Phone:	01924242851
	Business/Cell Phone:		Facsimile:	+441924242871
<hr/>				
<b>History:</b>				
Foreign Travel:				
Symptoms:				
Past Infection /Treatment:				
Other infected in household:				

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**Analysis of pinworm paddle specimen: Normal value = 0 (not marked) Reference range: 0 (negative) - 4 (heavy presence)**

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### Common Findings

Pinworm/nematode larvae

Pinworm/nematode eggs

Other

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## URINE ANALYSIS

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Sent Method: email

Service No: 100000

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	Home Phone:		Business Phone:	01924242851
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<b>History:</b>				
Foreign Travel:				
Symptoms:				
Past Infection /Treatment:				
Other infected in household:				

Analysis of urine specimen: Normal value = 0 (not marked) Reference range: 0 (negative) - 4 (heavy presence)  
Specimens fixed and transported in 10% buffered formalin

### Common Biological Findings:

Eggs of Schistostoma sp.  
Squamous epithelial cells  
Bacteria  
Protozoa  
WBC  
RBC  
Other

### Common Mineral Findings:

#### Diatoms:

Round Forms  
Tubular Forms  
Colonies

Other

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## H. PYLORI ANALYSIS

Date/Time Received: 03/26/2014

Date Tested: 26-Mar-2014

Sent Method: email

Service No: 100000

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	Home Phone:		Business Phone:	01924242851
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<b>History:</b>				
Foreign Travel:				
Symptoms:				
Past Infection /Treatment:				
Other infected in household:				

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Analysis of fecal specimen for *H. pylori* antigens: Normal value = < 20.0 ng/mL

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### Result

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## WATER ANALYSIS

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Date Tested: 26-Mar-2014

Sent Method: email

Service No: 100000

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	Home Phone:		Business Phone:	01924242851
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<b>History:</b>				
Foreign Travel:				
Symptoms:				
Past Infection /Treatment:				
Other infected in household:				

Analysis of water specimen: Normal value = 0 (not marked) Reference range: 0 (negative) - 4 (heavy presence)

### Common Findings:

#### Bacteria:

- Cocci forms
- Bacilli forms
- Spiral forms

#### Protozoa:

- Cryptosporidium
- Giardia
- Other

#### Helminth (worm) eggs/larva:

- Nematoda
- Cestoda
- Trematoda
- Other

#### Diatoms:

- Round forms
- Tubular Forms
- Colonies
- Other

### Comments: