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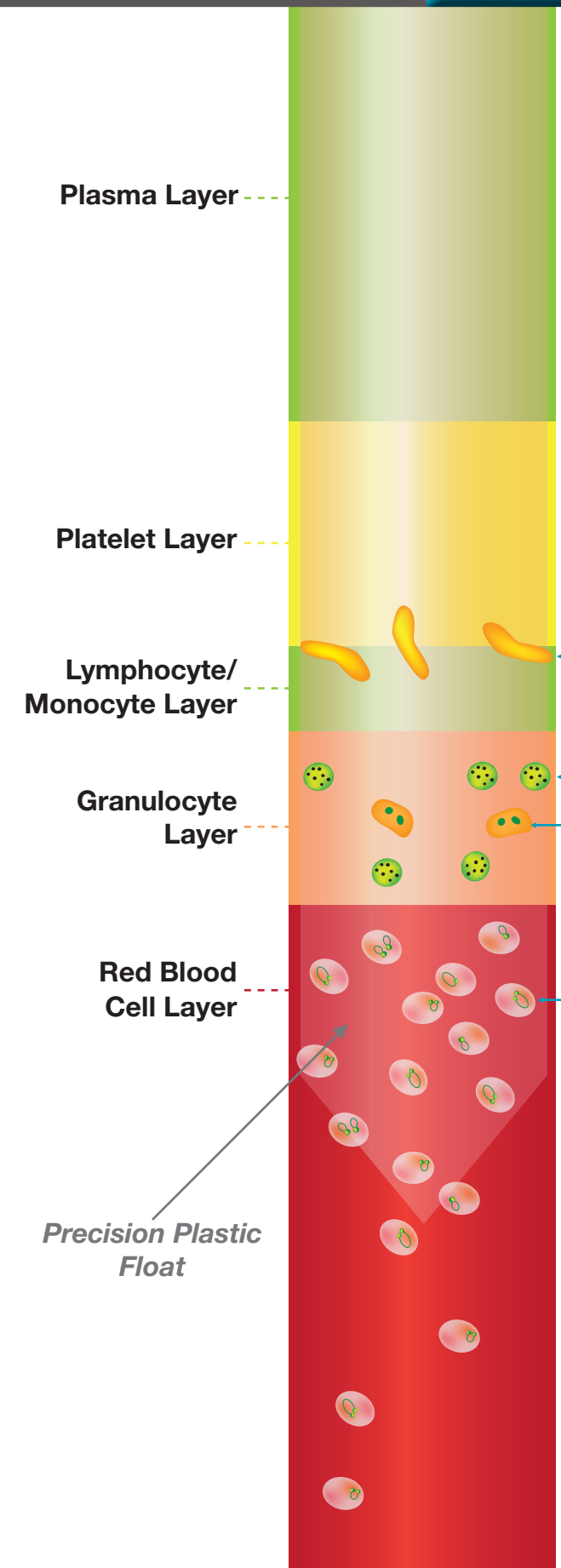
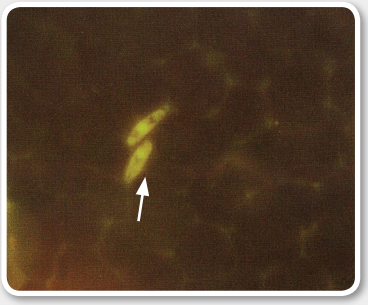
PARAWORLD™ Training Resources

QBC® Malaria Test User Guide: Sample Review



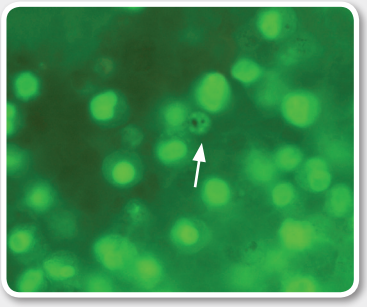
P. falciparum

1. Gametocytes



- **Location:** Border of Platelets and Lymphocyte/Monocyte Layers
- **Appearance:** Yellow, crescent (or sausage) shaped
- **What makes it *falciparum*:** Appearance

2. Schizonts

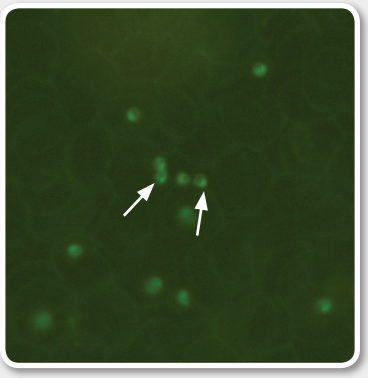


- **Location**: Granulocyte layer
- **Appearance**: Green, with approximately 8-24 black merozoites
- **What makes it *falciparum*:** Smaller ratio to immature trophozoites; Not usually seen in peripheral blood except in heavy infections

3. Mature Trophozoites

- **Location**: Granulocyte layer
- **Appearance**: Orange, with green nuclei
- **What makes it *falciparum*:** Smaller ratio to immature trophozoites; Not usually seen in peripheral blood except in heavy infections

4. Immature Trophozoites



- **Location**: Throughout Red Blood Cell layer
- **Appearance**: Green ring or headphone shaped
- **What makes it *falciparum*:** Larger ratio to mature trophozoites/schizonts; Appearance throughout Red Blood Cell layer; Two parasites may infect the same cell (“double infection”)

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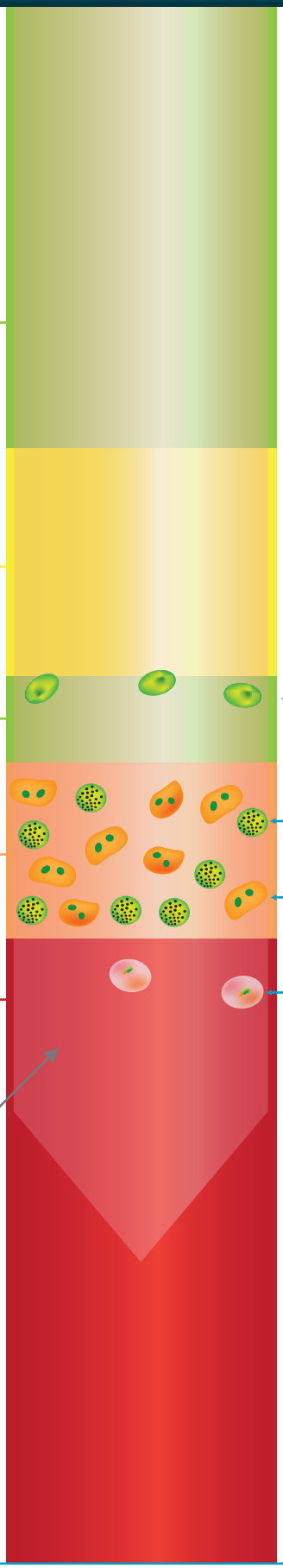
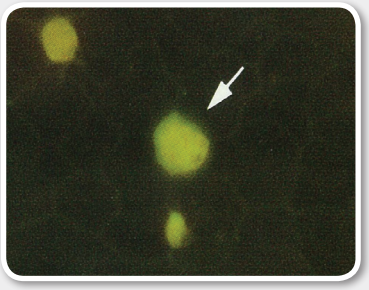


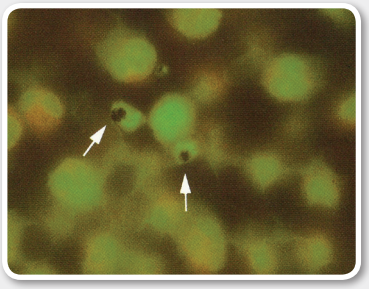
P. vivax

1. Gametocytes



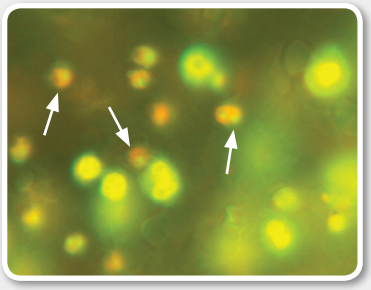
- **Location:** Border of Platelets and Lymphocyte/Monocyte Layers
- **Appearance:** Green/yellow with small dark markings
- **What makes it *vivax*:** Appearance

2. Schizonts



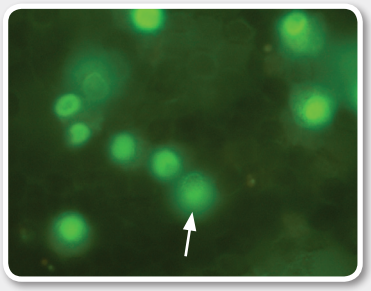
- **Location:** Granulocyte layer
- **Appearance:** Green, with approximately 12-24 black merozoites
- **What makes it *vivax*:** Greater ratio to immature trophozoites

3. Mature Trophozoites



- **Location:** Granulocyte layer
- **Appearance:** Orange, with green nuclei
- **What makes it *vivax*:** Greater ratio to immature trophozoites

4. Immature Trophozoites



- **Location:** Red Blood Cell layer
- **Appearance:** Green ring shaped
- **What makes it *vivax*:** Smaller ratio to mature trophozoites/ schizonts; Less distinct ring shape; No double infections; Generally found at the top of the Red Blood Cell layer

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