

Optimized Parasite Recovery (OPR):

Comparison of Pre- and Post-OPR Recovery Rate Results -

February 2000 through June 2001

BACKGROUND AND PURPOSE:

Genova Diagnostics introduced its Optimized Parasite Recovery process in August 2000. Enhancements featured in the new process included:

- Pooling - GDX's preliminary study of 1,500 specimens had shown a significant improvement in recovery rates over examination of three individual specimens
- Improved preparation - Unique spinning process distributes organisms evenly while also utilizing a double filtration system which removes fiber and other undigested matter
- Larger viewing areas – GDX uses coverslips that are almost twice as large as conventional 22X22 slides
- Evaluation time increased - OPR allows for more time to be devoted to each microscopic exam, thereby enhancing the parasite identification process

In the present study, investigators examined recovery rates:

- From February 2000 through July 2000 to determine a pre-OPR recovery rate.
- From August 2000 through June 2001 to determine a post-OPR recovery rate.

METHODS:

Monthly records were examined and recovery rates computed by dividing the number of positive identifications by the total number of specimens examined for each month.

RESULTS:

The average pre-OPR recovery rate was 18%, while the post-OPR recovery rate was 22%.

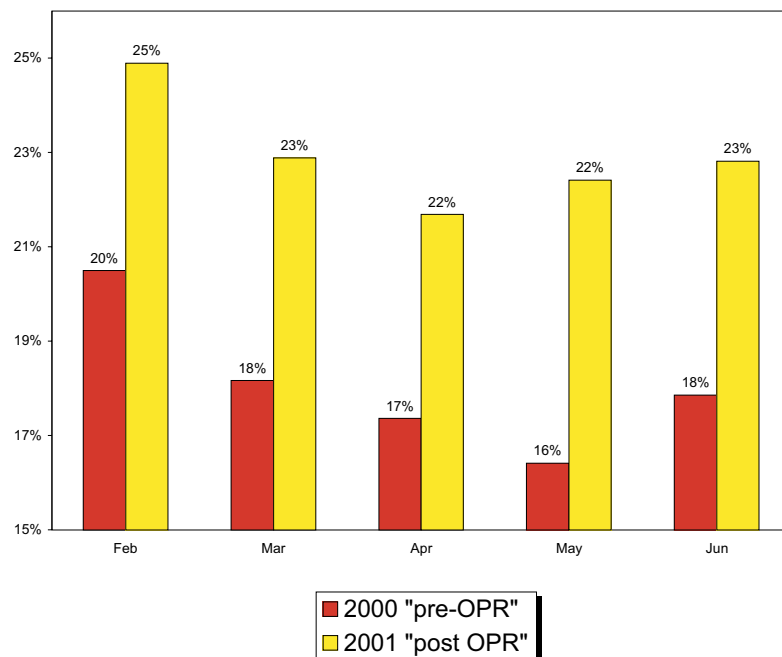
CONCLUSIONS:

Since its implementation in August 2000, OPR has boosted recovery rates more than 22% over the pre-OPR recovery rate of 18%.

SUPPORTING DATA

These graphs depict the improved sensitivity of the new OPR process, which has averaged a dramatic 22% greater recovery rate than conventional parasite recovery methods.

% Recovery by month; Pre-Post OPR



Recovery rate comparison of pre and post OPR

